



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 34] नई दिल्ली, शनिवार, अगस्त 22, 1992 (श्रावण 31, 1914)
No. 34] NEW DELHI, SATURDAY, AUGUST 22, 1992 (SRAVANA 31, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta the 22nd August 1992

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5th, 6th and 7th Floor,
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Calcutta-700 020.

Rest of India.

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Union Territories of Chandigarh and Delhi.

पेटेंट कार्यालय

एकसूत्र तथा अतिमकल्प

कलकत्ता, दिनांक 22 अगस्त 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोपी इस्टेट,
तीसरा तल, लोवर परल (पश्चिम),
एचई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, डमन तथा
दिव एवं दादरा और नागर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
हरिद्वती मार्ग, करोल बाग,
गड्डी दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, ब्रामाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिनिकाय तथा अमिनिविदि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
सिजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
गपन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट अथवा या जहां उपर्युक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रण को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDA

In the Gazette of India Part III, Section 2, dated the 4th April, 1992, Page—449 Column—1, under heading “CESSATION” of Patents.

Delete Patent No. 155989.

In the Gazette of India Part III, Section 2, dated the 18th April, 1992, Page—496 Column—1. Under heading “CESSATION” of Patents.

For Patent No. 156079, Read as 156076.

In the Gazette of India Part III, Section 2, dated the 25th April, 1992, Page—511, Column—1, under heading “CESSATION” of Patents.

Delete Patent No. 156221 and 166230.

In the Gazette of India Part III Sec. 2, dated the 30th January 1988, page 80 Col. 2, for accepted complete specification No. 161739 read the name of the applicant as ENICHEM SINTESI, S.P.A. instead of ENISCHEM SINTESI S.P.A.

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, 22nd August 1992

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section 135 of the Patents Act, 1970.

The 2nd July 1992

471/Cal/92 Mechanische Werkstätten Königswartha GmbH.
Method of reprocessing detonating caps contain-
ing mercury compounds, potassium chlorate and
antimony trisulphide.

The 03rd July 1992

472/Cal/92 Orbital walbro corporation. Solenoid winding
case and protective overmold and method of
making.

The 06th July 1992

473/Cal/92 Pro-Neuron, Inc. Treatment of chemotherapeutic
agent and antiviral agent toxicity with acylated
pyrimidine nucleosides.

474/Cal/92 Gene Shears Pty, Limited. Method for producing ribozymes. [Divided out of No. 1026/Cal/88; antedated to 14th December, 1988]. (Convention dated 15-12-87, 19-08-88, 9-9-88, 4-11-88, 7-11-88; All are Australia).

475/Cal/92 O & K Orensten & Koppel AG. Cutting Machine for the Extraction of hard Roof.

476/Cal/92 Soros International, Inc. Slewing bridge material handling apparatus capable of continuous material feeding during slewing.

The 07th July 1992

477/Cal/92 Enichem Elastomeri S.r.l. Process for the preparation of Elastomeric Copolymers of Ethylene.

478/Cal/92 E C P Enichem Polimeri S.r.l. Procedure for the preparation of a solid component of Catalyst for the (CO) Polymerization of Ethylene.

479/Cal/92 E C P Enichem Polimeri S.r.l. Solid component of catalyst for the (Co) Polymerization of Ethylene and -Olefins.

480/Cal/92 The Babcock & Wilcox Company. Cyclonic Mixing and combustion chamber for circulating fluidized bed boilers.

The 08th July 1992

481/Cal/92 AMC International Alfa Metallcraft Corporation AG. A method of Manufacturing a cooking utensil.

482/Cal/92 AMC International Alfa Metallcraft Corporation AG. Method of manufacturing a cooking utensil.

483/Cal/92 Deutsche Voest-Alpine Industrieanlagenbau GmbH. Anode for a direct current arc furnace.

484/Cal/92 Leiras Oy. Device for intrauterine use.

485/Cal/92 E C P Enichem Polimeri S.r.l. Supported catalyst for the (CO) polymerization of ethylene.

486/Cal/92 E C P Enichem Polimeri S.r.l. Procedure for the Producing of Vanadium Bis-arenes from Vanadium oxychloride.

487/Cal/92 E C P Enichem Polimeri S.r.l. Catalyst for the (CO) polymerization of ethylene.

The 09th July 1992

488/Cal/92 Johnson & Johnson Inc. Method for enhancing the Public acceptance of a disposable Absorbent core and the Resulting product.

489/Cal/92 Johnson & Johnson Inc. Novel Disposable absorbent product.

490/Cal/92 Fudan University & China Great Wall Industry Corporation. Green light emitting aluminate phosphor.

The 10th July 1992

491/Cal/92 Parthasarathy Banerjee. A Device for Reduction of suspended matters in the effluents from Ash Ponds/pits or other sources and the method followed for applying the same.

492/Cal/92 Magnetek May & Christe GmbH. Cast Resin power Transformer.

493/Cal/92 Cosmos Entwicklungs-Und Forschungsanstalt. Sanitary Fixture.

494/Cal/92 International Flower Developments, Pty. Ltd. Genetic Sequences Encoding Flavonoid pathway enzymes and uses therefor. (Convention No. PK 7173/91, dated 11-7-91 & No. PJ. 0923/92 dated 17-2-92, Australia).

495/Cal/92 (1) Kyung Jin Song, (2) Young Sik Song, (3) Jerng Sik Song, (4) Joong Sik Song. One time use teflon blood vessel needle set.

The 13th July 1992

496/Cal/92 Trico-Folberth Limited. Windscreen wiper Blade. (Convention No. 91 156117; dated 19-7-91. U.K.).

497/Cal/92 Siemens Aktiengesellschaft. Method and Arrangement for detecting faults in power converter installations.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W). BOMBAY-13.

The 1st June 1992

174/Bom/1992 Raj Jivraj Sawalkar & Neelish Jivraj Sawalkar. Hygienic component for tooth brush.

175/Bom/1992 Greaves Foseco Limited. UK Priority dt. 1-6 1991. Method and apparatus for the production of nodular or compacted graphite iron castings.

The 2nd June 1992

176/Bom/1992 North Star Ice Equipment Company (India) Pvt. Ltd. An apparatus to produce and deliver slush ice.

177/Bom/1992 Gujarat State Fertilizers Co. Ltd. A process for the synthesis of N-phenyl maleimide.

178/Bom/1992 Yashwant Pandurang Hinge Electronic fuse.

The 3rd June 1992

179/Bom/1992 Vasant Mukund Joshi. Improvements in or relating to reciprocating piston internal combustion engines.

180/Bom/1992 Hindustan Lever Ltd. UK. Priority Dt. 3-6-1991. Gas cell in a liquid medium.

181/Bom/1992 Hindustan Lever Ltd. U.K. Priority Dt. 4-6-1991. Liquid dentifrices

182/Bom/1992 Paresch P. Vakharia. Plastic mailing covers/envelopes.

The 5th June 1992

183/Bom/1992 Dr. Mrs. Nandini Arun Basole. Improved composite shuttering panel and method of manufacturing such shuttering panels.

The 8th June 1992

184/Bom/1992 Anurag Vipin Shah. An improved petrol engine.

185/Bom/1992 Shri Dipak Samaddar and Shri Hushar Kanti Ghosh. Pre-reduced/enriched manganese ore briquettes.

The 9th June 1992

186/Bom/1992 George Abrahm and Javali Sudhakar Rao of M/s. George Rao & Co., An improved actuating mechanism for fire dampers.

The 10th June 1992

187/Bom/92 Hindustan Lever Ltd, U.K. Filed on 10-6-1991. Detergent compositions.

188/Bom/1992 Pradeep Kumar. A high capacity addressing system for microprocessor architecture.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 15th June 1992

358/MAS/92 Dr. Joseph George. A process for preparing an improved adhesive resin.

359/MAS/92 Dr. Joseph George. An improved process for the preparation of a substantially moisture free resin by the condensation of CNSL and/or Cardanol, phenol and formalin.

360/MAS/92 Indian Institute of Science. A process for the preparation of carbon films.

361/MAS/92 Mashinenfabrik Rieter AG. A method and a device to form an underwinding with a predetermined boping angle on the spindle shaft of a ring spinning or doubling frame.

362/MAS/92 Robert George I. Frean, Lifting device for cylindrical objects. (June 12, 1992; Australia).

363/MAS/92 Aran Fire & Safety (UK) Limited. Communication apparatus. (June 14, 1992; United Kingdom).

364/MAS/92 Modular Diagnostic Systems, Ltd. Cuvette for automated testing machine.

The 16th June 1992

365/MAS/92 Hoogovens Groep BV. Method of repair of the refractory lining of the wall of a shaft furnace.

366/MAS/92 Asea Brown Boveri Ltd.. Burner for operating an internal combustion engine, a combustion chamber of a gas turbine group or firing equipment.

The 17th June 1992

367/MAS/92 Societe des Produits Nestle S. A. Process for the production of Precooked cereal foods.

368/MAS/92 Crystal Clear, Inc. Improved Bottle

369/MAS/92 The Welding Institute. Resistance welding monitor with fast acting filter.

370/MAS/92 Himont Incorporated. High Melt strength, ethylene polymer process for making it, and use thereof.

371/MAS/92 Union Espanola De Explosivos S. A. Preparation of a hydroged type safety explosive composition.

The 18th June 1992

372/MAS/92/Dailey Petroleum Service Corporation. Double-acting accelerator for use with hydraulic drilling jars.

373/MAS/92 Lonza Ltd. A process for the preparation of a sintered-aluminium oxide material, useful as an abrasive.

The 19th June 1992

374/MAS/92 Dr. Pradhan Ravindranath. Design, coloured cigarettes - slow cigarettes.

375/MAS/92 Asea Brown Boveri Ltd. Direct-current arc furnace plant.

376/MAS/92 Asea Brown Boveri Ltd. Direct-current arc furnace.

377/MAS/92 L&T - McNeil Limited. Traversing system for tail wheel type helicopters.

The 22nd June 1992

378/Mas/92 Allied Tube & Conduit Corporation. Flowcoat galvanizing.

379/Mas/92 ONX, Inc. Prosthetic Heart Valve.

380/Mas/92 General Motors Corporation. Apparatus for monitoring the pressure of one or more engine fluids.

381/Mas/92 Maschinenfabrik Rieter AG. Spindle brake for spinning machines.

382/Mas/92 Himont Incorporated. High melt strength, ethylene polymer, process for making it, and use thereof.

383/Mas/92 Engelhard De Meern B. V. method of producing a chemical compound. (Divisional to Patent Application No. 888/MAS/88).

384/Mas/92 GPT Axxicon B. V. Injection mould.

The 23rd June 1992

385/Mas/92 Societe des Produits Nestle S. A. A process for the production of an anti-diarrhoeic product based on carob.

The 24th June 1992

386/Mas/92 Girivas Viswanath Shet. A method of ascertaining the genuineness of the gold and ascertaining whether the gold is of standard quality or of low quality.

387/Mas/92 Maschinenfabrik Rieter AG. Spinning or twisting spindle.

388/Mas/92 Gorantla Sudhakar, Dr. Mullangi Ravindranath, Gorantla Radhakrishna and Dr. Gorantla Venkata Chalapati. A flexible Jumbo Bag.

389/Mas/92 Girivas Viswanath Shet. A manner of manufacture of coconut oil by extraction process in Lakshwadeep by setting up an oil extracting industry for the first time.

The 25th June 1992

390/Mas/92 Turbine Blading Limited. Heat treatment apparatus and methods of repair of turbine blades. (June 25 1991; Great Britain).

391/Mas/92 Ol-Neg TV products, Inc. A molten glass feeder bowl with a tube stirrer element. (Divisional to Patent Application No. 202/Mas/89).

The 26th June 1992

392/Mas/92 Monsanto Company. Process for preparing alkylbenzene.

393/Mas/92 Rhone-Poulenc Chimie, New method of preparing precipitated silica, new precipitated silicas and their use in reinforcing elastomers.

394/Mas/92 Compagnie Generale Des Etablissements Michelin-Michelin & Cie. (Divisional to Patent Application No. 821/Mas/88).

The 29th June 1992

395/Mas/92 Union Oil Company of California. Hydrated Alkylation catalyst and processes for its use.

396/Mas/92 Kemira OY. Controllably affecting fertilizer composition.

397/Mas/92 Hitachi, Ltd. and The Tokyo Electric Power Co., Inc. Plant monitor.

398/Mas/92 Narayanaswamy Raghupathy. A dumper body with an auto tailgate.

The 30th June 1992

399/Mas/92 Maschinenfabrik Rieter AG. Stretching chamber arrangement.

400/Mas/92 Schubert & Salzer Maschinenfabrik AG. Open end spinning machine.

401/Mas/92 Schubert & Salzer Maschinenfabrik AG. Open end spinning machine.

402/Mas/92 BIC CORPORATION. Selectively actuatable lighter.

403/Mas/92 Institut Francais Du Petrole. Process for manufacturing a variable stiffness line and associated element.

404/Mas/92 Yoji Kitamura. Clearer apparatus for draft roller.

The 1st July 1992

405/Mas/92 Anthony Joseph Papa & David Robert Bryant. Esterification process.

The 2nd July 1992

406/Mas/92 Charles Ballenegger. Connection element for jewellery.

The 3rd July 1992

407/Mas/92 Hoechst Aktiengesellschaft. Process for the preparation of ethylene (co) polymers.

408/Mas/92 Feltex Modular Carpets Pty. Ltd. New and improved backing for carpets and the like. (July 5, 1991; Australia)

The 6th July 1992

409/Mas/92 Korea Research Institute of Chemical Technology. A process for the preparation of quinolone compounds. (Divisional to Patent Application No. 743/Mas/90).

410/Mas/92 Korea Research Institute of Chemical Technology. (Divisional to Patent Application No. 744/Mas/90).

The 8th July 1992

411/Mas/92 S. J. Joe. A novel fuel saving multipurpose cooking stove.

412/Mas/92 Monsanto Company. High productivity process for the production of maleic anhydride.

The 9th July 1992

413/Mas/92 Scimat Limited. Polymeric Sheet. (July 9, 1991; United Kingdom)

414/Mas/92 Entex Engineering Corporation.

The 10th July 1992

415/Mas/92 Bracker AG. A ring tracellular for bevelled flanged ring.

ALTERATION OF DATE UNDER SECTION—16

171237 (801/Cal/90) Antedated to November 18, 1988.

171238 (802/Cal/90) Antedated to November 18, 1988.

171239 (805/Cal/90) Antedated to November 18, 1988.

171240 (808/Cal/90) Antedated to November 18, 1988.

COMPLETE SPECIFICATION ACCEPTED

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The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके दिर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं”।

नीचे सूचीगत विनिर्देशों की सीमित संख्या मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु माग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 102 D XXIX (1).

171221

Int. Cl. : E 02 B 9/08.

A WAVE GENERATOR.

Applicant : SULTAN SINGH JAIN, B-36, SHANTI NAGAR ROORKEE-247 667, DISTT. HARIDWAR, UTTAR PRADESH, INDIA, INDIAN NATIONALITY.

Inventor : SULTAN SINGH JAIN.

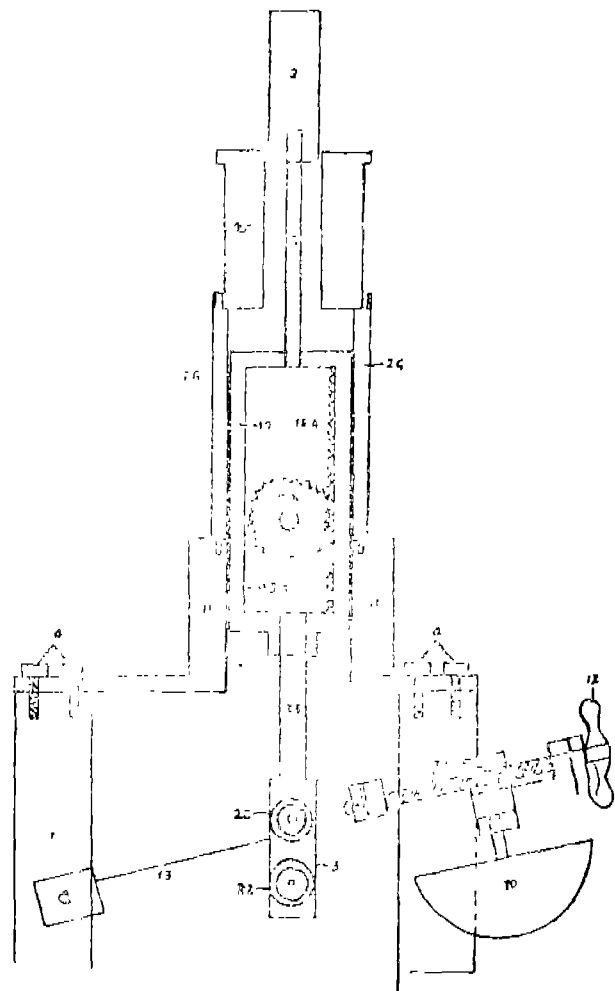
Application for Patent No. : 763/DEL/87 filed on 31st August, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office Branch, New Delhi-110005).

1 Claim

A wave Generator for producing electricity by water waves comprising a solenoid coil (24) and a bar magnet (2) moving inside it in linear motion operable through a float (10) mounted on a lever (13); a shaft (23) connecting the said lever (13) with said bar magnet (2) through a rectangular frame (19); the said rectangular frame (19) fitted in between the said bar magnet (2) and said float (10) provided with two racks (18A & 18B) on its opposite

vertical sides, and two free wheel spur gears (9A & 9B) mounted on a single axle (1), individually meshing with said respective racks to convert the said linear motion into a rotary motion; the rotary motion of the said axle (1) being transmitted to the generator through a flywheel (8) and a pulley (16) arrangement to rotate the generator.



(Compl. Specn. 8 Pages;

Drawgs. 3 Sheets)

Ind. Cl. 70 A.

171222

Int. Cl.⁷ : H01M 2/00 & 2/02.

GASKET OF AN ELECTRICALLY INSULATING MATERIAL SUITABLE FOR USE IN AN ELECTROLYTIC CELL AND AN ELECTROLYTIC CELL CONTAINING THE GASKET.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : THOMAS WESLEY BOULTON & BRIAN JOHN DARWENT.

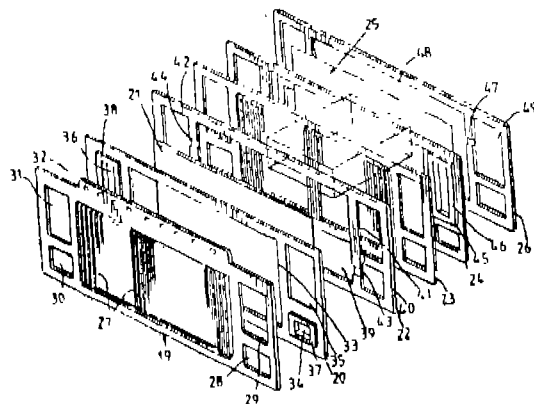
Application for Patent No. 772/DEL/87 filed on 1st September, 1987.

Convention date 22 Sep., 1986/8622749/UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A gasket on an electrically insulating material suitable for use in an electrolytic cell, said gasket (10, 20, 22, 24) comprises a plurality of projections and/or recesses present as a single row thereof on and/or in a surface of the gasket (10) for cooperating with corresponding recesses and/or projections in and/or on a surface of an anode or of a cathode or of a gasket adjacent thereto, characterised in that the projections (57/59) and/or recesses (58/60) are present as a plurality of rows (53, 54) thereof on and/or in a surface of the gasket (10, 20, 22, 24) whereby wider spacing between recesses is present for maintaining greater structural strength and less resistance to current flow.



(Compl. Specn. 26 Pages;

Drawgs. 6 Sheets.)

Ind. Cl. : 128 G.

171223

Int. Cl.⁷ : A61F 5/46.

DEVICE FOR INSERTING CONTRACEPTIVE.

Applicant : NAUCHNO-PROIZVODSTVENNOE OBIE-DINENIE "MEDINSTRUMENT", OF ULITSA K. TIN-CHURINA, 31, KAZAN, USSR.

Inventor : RAISA VLADIMIROVNA GAINUTDINOVA.

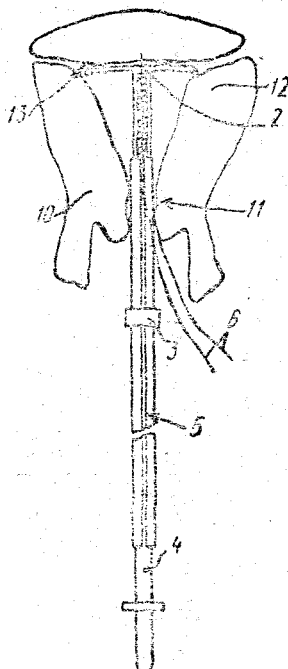
Application for Patent No. 777/DEL/87 filed on 02 Sep. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A device for inserting contraceptive into the uterine cavity, comprising a guide (1) for accommodating a contraceptive (2), a restrictor (3) mounted on said guide (1) for movement, a rod (4) accommodated in said guide (1) for actuating said contraceptive (2) characterized by said guide (1) having a recess (5) located parallel to the axis of said device and extending throughout the length of said guide (1) for passing a thread (6) through said recess (5) to the ex-

terior of said guide (1) thereby preventing any possibility of said thread (6) being carried into or inadvertently extracted from the uterine cavity.



(Compl. Specn. 8 Pages;

Drwgs. 1 Sheet.)

Ind. Cl. : 70 C₅

171224

Int. Cl. : H01M 8/00.

A THERMOELECTROCHEMICAL SYSTEM.

Applicant : HUGHES AIRCRAFT COMPANY, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PRINCIPAL PLACE OF BUSINESS AT 7200 HUGHES TERRACE, LOS ANGELES, STATE OF CALIFORNIA U.S.A.

Inventors : FRANK ARND LUDWIG, CARL WARREN TOWNSEND AND CHILENGI PRANESHARAO MADHUSUDHAN.

Application for Patent No. 785/DEL/87 filed on 7 Sep. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

32 Claims

A thermoelectrochemical system for generating a continuous electrical current from a heat input at a predetermined temperature below about 250°C, comprising :

(a) an electrochemical cell (10) having a cathode compartment (18) and an anode compartment (20), said compartments having a common ion permeable separation wall (22);

(b) a hydrogen ion reacting cathode (20) and a hydrogen ion reacting anode located within said cathode and anode compartments, respectively, said cathode and anode being connectable externally of said cell for generation of said electrical current therebetween;

(c) a cathode fluid comprising a chosen Bronsted acid, located in said cathode compartment and in contact with said cathode wherein hydrogen gas or water is generated or collected, and said acid is consumed during generation of said electrical current;

(d) an anode fluid comprising a chosen Bronsted base, located in said anode compartment and in contact with said anode wherein;

(1) a cation of said base is generated and said base and hydrogen or water are consumed at said anode during generation of said electrical current;

(2) said cation of said base and said anion of said acid combine to form a salt which can be thermally decomposed at said temperature below about 25°C to form said acid as a first decomposition product and said base as a second decomposition product, which can be separated to regenerate said and said base; and

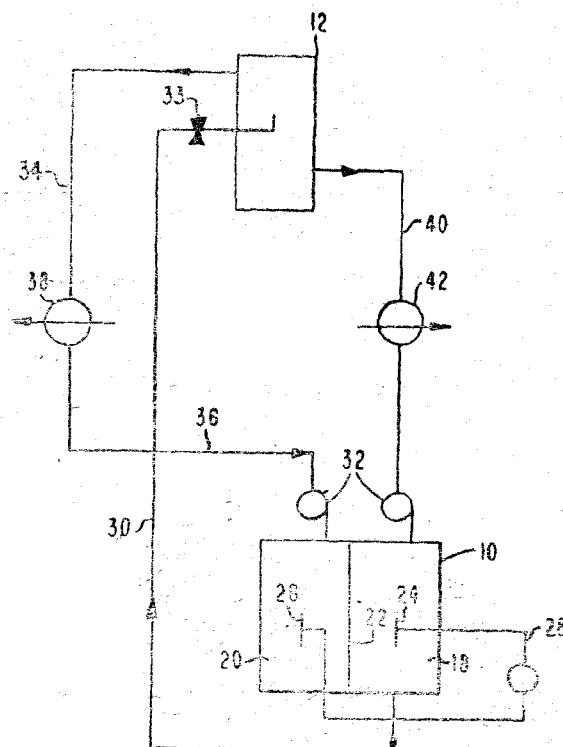
(3) at least one of said acid or said base comprises an organic material;

(e) thermal regenerator means (12) for thermally converting said salt comprising said cation of said base and said anion of said acid directly to said acid and said base at said temperature below about 250°C, said thermal regenerator means being connected to said anode and cathode compartments by means for transferring;

(f) means (32) for transferring said fluid containing said salt from said anode or cathode compartment to said thermal regenerator, said means for transferring being connected at one end to said anode or cathode compartment and at the opposite end to said thermal regenerator means;

(g) anode recycle means for transferring said base formed in said thermal regenerator means back to said anode compartment to replenish said base consumed during generation of said electrical current, said anode recycle means being connected at one end to said thermal regenerator means and at the opposite end to said anode compartment;

(h) cathode recycle means for transferring said acid formed in said thermal regenerator means back to said cathode compartment to replenish said acid consumed during generation of said electrical current, said cathode recycle means being connected at one end to said thermal regenerator means and at the opposite end to said cathode compartment.



(Comp. Specification 60 pages

Drawing Sheets 4).

171226

Int. Cl. : A61F 5/46.

Applicant: NAUCHNO-PROIZVODSTVENNOE OBIEDI-
NENIE "MEDINSTRUMENT", OF ULITS A K. TINCHU-
RINA 31, KAZAN, U.S.S.R.

Inventors: RAISA VLADIMIROVNA GAINULDI-
NOVA, BORIS ANDREEVICH JUROV, BENTSIAN
MOISEEVICH MAZO AND VERA MITROFANOVNA
PETROVA

Application for Patent No. 791/Del/87 filed on 8 September 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An intrauterine device comprising a strip, a rod interconnected with the strip to form a T-shaped element therewith, a thread for dynamic monitoring of the intrauterine device while in the uterine cavity, connected to the rod, and a coil fitted over the rod and having at least two layers, of which the first layer is made of an elastic polymer material and serves as a base and faces the rod directly, while the second layer is of a metal of the kind such as herein described.

Fig. 1 shows a probe 1 consisting of a handle 2, a shaft 3, and a conical tip 4.

Drgs 1 sheet.

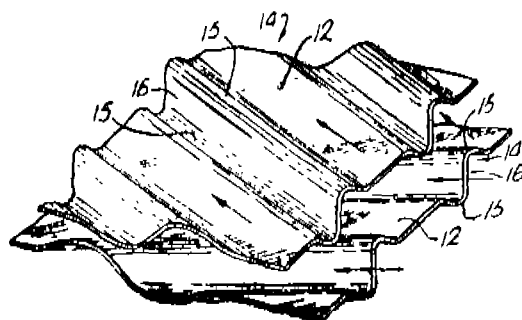
171227

**Applicant & Inventor : DEVENDRA KUMAR, AN
INDIAN NATIONAL AND RESIDENT OF A-3/244
JANAKPURI, NEW DELHI.**

Application for Patent No. 792/Del/81 filed on 9 September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A device for the manufacture of Bio-gas by anaerobic treatment of effluent received from alcohol producing distilleries which comprises a heat exchanger to cool the effluent to about 30°C, a pump to feed the cooled effluent to the



Drawing Sheets 2.

reactor vessel which is closed substantially vertical cylindrical tank having feeding nozzles fitted in the bottom inlet pipes to provide spiral upward motion to the liquid fed into the tank and an outlet at the top of the said tank to remove the Bio-gas produced inside the tank by Microbial reaction, which outlet is connected to a gas holder for storage and final use and another outlet for the removal of the treated liquid which is connected to a cyclone separator for partial removal of the suspended solids, and also degassing, the said cyclone separator being connected to a decantor for complete removal of suspended solids from the liquid overflowing from the cyclone separator, said cyclone separator and said decantor having outlets at their bottom ends connected to the reactor vessel through said nozzles so that the sediments received from the cyclone separator and decantor are fed back to the reactor vessel for retreatment, the said decantor being provided with an outlet to dispose off the finally treated liquid.

Compl. Specn. 9 pages.

Drgs. 2 sheets.

Ind. Cl. : 145 B.

171228

Int. Cl. : G 01 N 31/22, 33/02.

A PROCESS FOR MAKING TEST PAPERS FOR TESTING OF IODIZED SALT.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

Inventors : JAGAT PAL SINGH SARIN & RANESH CHANDRA NANDI.

Application for Patent No. 799/Del/87 filed on 11th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for making test paper for testing of iodized salts which comprises preparing a first set of white absorbent or filter paper by soaking the paper in a 2-10% aqueous solution of starch and a 2-10% solution of fixed acid as herein described, drying the soaked paper in a manner such as herein described and cutting it into small strips, preparing a second set of paper by soaking second set of white absorbent or filter paper in a 2-10% solution of alkali iodide and a 0.2 to 1.0% of fixed hydrous alkaline salt such as herein described, drying the said second soaked paper and cutting it into small strips, stored separately and then superimposing the first set of paper over the second set of paper when required for testing.

Compl. Specn. 7 pages.

Drgs. Nil.

Ind. Cl. : 136 F.

171229

Int. Cl. : B22C 9/06.

AQUEOUS MUD FOR THE FORMATION OF SHELL-MOULDS.

Applicant : SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S. N. E. C. M. A.", 2, BOULEVARD VICTOR, 75015-PARIS, FRANCE.

Inventors : THIERRY, ANDRE CUISIN, JEAN-NOEL, EMMANUEL DODY & JEAN-PIERRE, FLOCHET.

Application for Patent No. 801/Del/87 filed on 11th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

An aqueous mud for the formation of shell-moulds which comprises on a percentage by weight basis :

from 20% to 40% colloidal silica;
2-207 GI/92 8x8x20

from 20% to 40% finely ground zircon;

from 15% to 25% silica sand;

from 15% to 35% finely ground fused silica;

from 1% to 5% finely ground cristobalite, and the balance water.

Compl. Specn. 11 pages.

Ind. Cl. : 84 B

171230

Int. Cl. : C10L 1/10.

A PROCESS FOR PREPARATION OF STABILISED HIGH ASH COAL-OIL SLURRIES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : AMALENDU NAYAK, DIBAKAR PANDA, SIBA NARAYAN MAHAPATRA & JOSYULA SAMBHA MURTHY.

Application for Patent No. 820/Del/87 filed on 18th September 1987.

Complete Specification left on 15 December 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of stabilised high ash coal oil slurries which comprises, mixing 55-60% of the ground coal with 40 to 45% of fuel oil having viscosity of 500 cp at 30 C, adding 200 ppm by wt. of coal a starch xanthide—a starch based additive as herein described.

Provisional Specn. 4 pages.

Compl. Specn. 5 pages.

Ind. Cl. : 131 B 4.

171231

Int. Cl. : E 21 B 3/00.

PIPE GRAPPLE IN A ROTARY TABLE OF DRILLING RIGS.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNOKONSTRUKTORSKY INSTITUT NEFTYANOGO MASHINOSTROENIA VNIINEFTEMASH OF MOSCOW, 4 ROSCHINSKY PROEZO, 19/21, SOVIET SOCIALIST REPUBLIC.

Inventors : (1) ALEXANDR ARONOICH GLUKH, (2) NINA ALEXANDROVNA SEMENETS, (3) ANATOLY GEORGIEVICH SHESTOV.

Application No. 32/Cal/89 filed on January 12, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A pipe grapple in a rotary table of drilling rigs comprising: a rotary table; a housing positioned in said rotary table; a locking device accommodated in said housing; slips moving in the direction of a rotary table axis; split bushings interacting with said slips; a sleeve resting on which are said bushings; a centralizer; a cleaner which is in fact a cage with an elastic element; a removable cross-member adapted to be mounted on said housing; a centering nipple of said cross-member positioned coaxially in said rotary table and adapted to interact with said slips; a drilling bit seat positioned on said cross-member coaxially with said centering nipple on the other said thereof; said sleeve provided with lugs in its

upper portion with the split bushings for each slip interposed between them; slots provided in said housing to receive said removable cross-member.

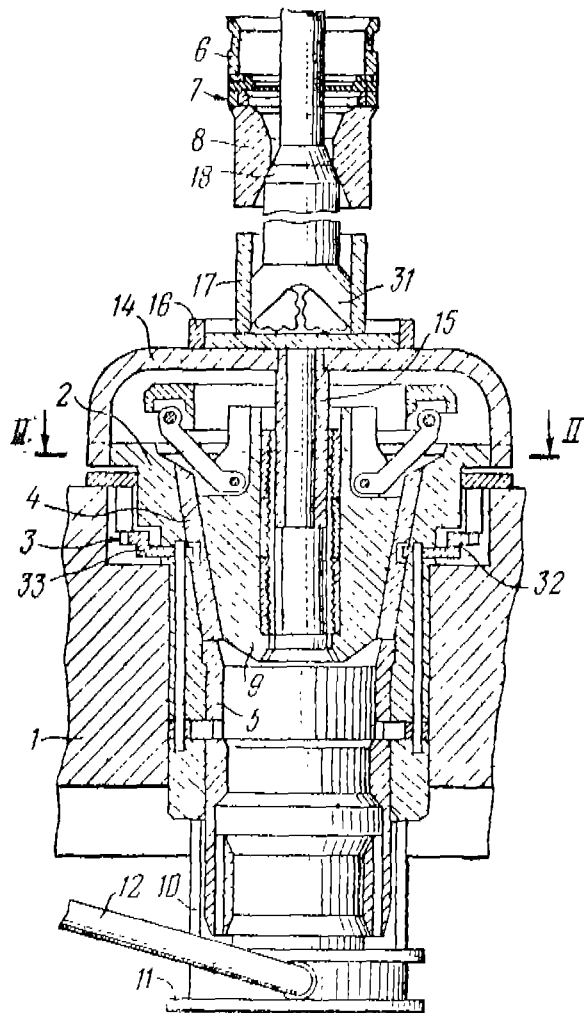


Fig. 1

Compl. Specn. 9 pages.

Drgs. Nil.

Ind. Cl.: 128 A.

171232

Int. Cl.: A 61 F 13/00, 13/16.

A PROTECTIVE ABSORBENT PRODUCT FOR ABSORBING BODY FLUID.

Applicant: MCNEIL-PPC, INC. OF VAN LIEW AVENUE, MILLTOWN, NEW JERSEY 08850, UNITED STATES OF AMERICA.

Inventors: (1) MICHELLE LYNN DIFILIPPANTONIO, (2) WINIFRED CHRISTINA DABROSKI.

Application No. 203/Cal/89; filed on March 13, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A protective absorbent product for absorbing body fluid comprising:

- (a) a central absorbent core comprising at least one lower sliver and a top sliver, said lower sliver having a central portion, transverse ends and longitudinal edges, the longitudinal edges having a density lower than that of the central portion, and said

top sliver having a density lower than that of the central portion of the lower sliver, the fibers of the longitudinal edges of the lower sliver engaging with the fibers of the top sliver;

- (b) a fluid permeable cover; and
- (c) a fluid impermeable barrier.

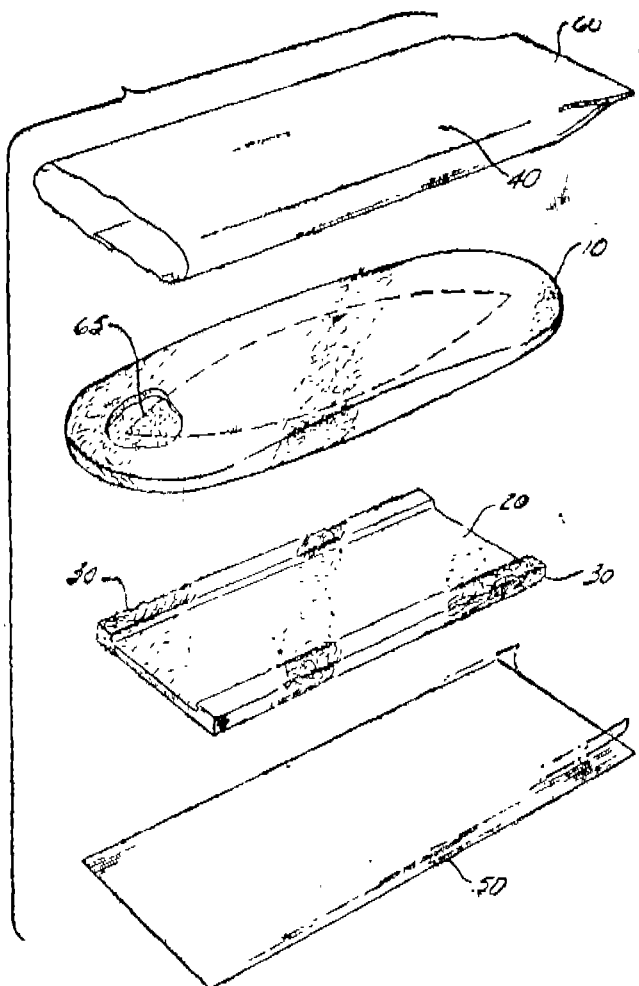


Fig. 1

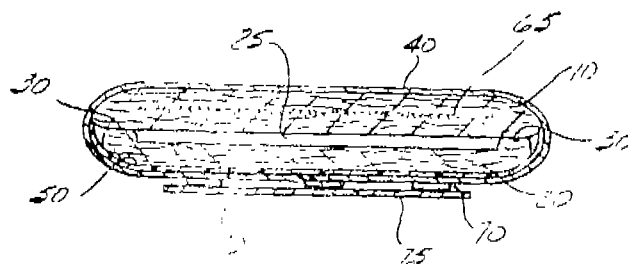


Fig. 2

Compl. Specn. 15 pages.

Drgs. 2 sheets.

Ind. Cl.: 69 O

171233

Int. Cl.: H 01 H 1/00.

CONTACT MEMBER FOR ELECTRICAL CONDUCTORS.

Applicant: KRONE AKTIENGESellschaft, OF BEE-SKOWDAMM 3-11, D-1000 BERLIN 37, WEST GERMANY.

Inventors: (1) ROBERT ALLEN WILLIAM FITZGERALD, (2) WILHELM BRAMKAMP, (3) GUNTER

HEGNER, (4) LUTZ BIEDERSTADT, (5) DIETER GERRKE, (6) MANFRED MULLER, AND (7) WOLFGANG RADELOW.

Application No. 418/Cal/89; filed on May 31, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A contact member for electrical conductors, in particular for cable wires of telecommunication systems, comprising at least one electrically conductive contact section including a contact slot, characterised by that the contact section (4) is formed from an insulating material and provided with a metallised surface (6, 16, 28, 32, 47, 52).

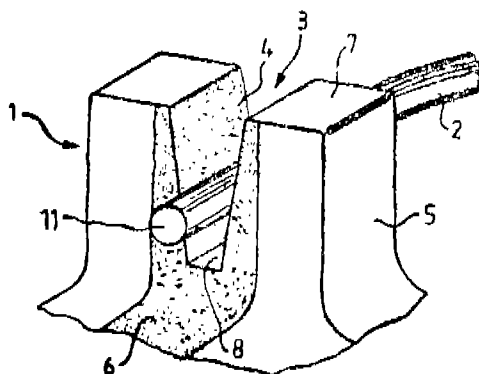


Fig. 1

Compl. Specn. 14 pages.

Drgs. 7 sheets.

Ind. Cl. : 35 E.

171234

Int. Cl. C 04 B 35/00.

PRODUCTION OF BASIC REFRACTORY DRY MIX FROM USED REFRACTORIES.

Applicant : KABITA REFRACTORIES (PVT.) LTD. OF P.O. PANURJA (GOURANGDI), DISTRICT BURDWAN, WEST BENGAL, INDIA.

Inventor : (1) SHAMA PADA ROY.

Application No. 612/Cal/89, filed on July 28, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A process for producing basic refractory dry mix selected from the group consisting of magnesite, chrome-magnesite and magnesite-chrome from corresponding used basic refractory bricks/brick bats, for its use/application, such as herein described, comprising the steps of :

- (a) sorting out used basic refractory bricks/brick bats according to its constituents;
- (b) removing the undesirable portions, i.e. slags, fused portions, from the sorted out used bricks/brick bats;
- (c) crushing/grinding the bricks/brick bats having desirable portions, so obtained from the step (b);
- (d) grading the crushed/ground granules of the step (c) according to different sizes;
- (e) mixing different sized granules obtained from the step (d) according to end product requirement, and adding thereto a binder/additive selected from sulphuric acid, chromic acid, chromic acid, magnesium sulphate and sulphite lye, or any combination thereof to obtain a dry mix.

Compl. specn. 11 pages

Drgs. Nil

Cl. 80 H.

172135

Int. Cl. B 04 B 1/00, 3/00, 5/00.

B 04 C 1/00, 3/00.

SEPARATOR FOR SEPARATING A MIXTURE OF LIQUIDS.

Applicant : SERCK BAKER LIMITED, OF 6 POOLE ROAD, WIMBOURNE, DORSET, ENGLAND.

Inventors : (1) DAVID DOUGLAS LLOYD & (2) PETER GREGORY MICHALUK.

Application No. 736/Cal/88; filed on September 01, 1988.

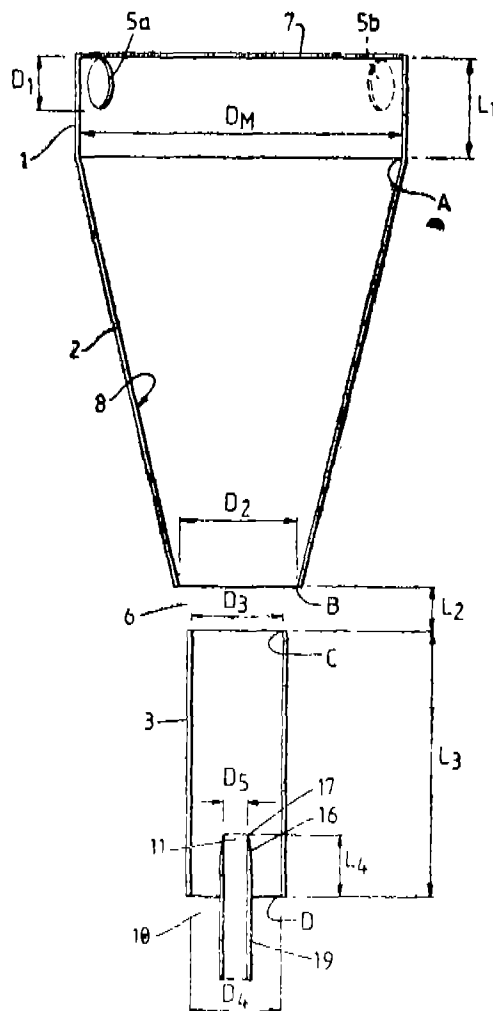
Convention Appl. No. 8720943 dated 5-9-87, Great Britain).

(Convention Appl. No. 8720943 dated 5-9-87, Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

59 Claims

A separator for separating a mixture of liquids into a more dense component and a less dense component comprises an elongated tube having a circular cross-section which reduces in diameter from a wide end to a narrow end, at least one tangentially disposed inlet at or adjacent the wide end for the introduction at relatively high velocity of a mixture of liquids to be separated, the tube having a constant taper from a location adjacent the inlet towards the narrow end, the convergence angle of the tube being about 2° an outlet comprising an axially disposed tube extending into the separator at the narrow end thereof for the removal of the less dense component and at least one outlet for the removal of the more dense component, positioned in the vicinity of the narrow end of the separator, and pressure control means for controlling the pressure of the more dense component in the vicinity of the outlet for the more dense component.



Cl. 146 A

171236.

Int. Cl.⁴ : G 01 F 23/00.

DEVICE TO MEASURE THE LEVEL OF LIQUID METAL IN A CRYSTALLIZER OF A CONTINUOUS CASTING INGOT MOULD.

Applicant: CEDA SPA COSTRUZIONI ELETROMECCANICHE E DISPOSITIVI D' AUTOMAZIONE, OF VIA NAZIONALE 34, 33042 BUTTRIO (UD), ITALY.

Inventor : LORENZO CIANI.

Application No. 832/Cal/88 filed on October 06, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

Device to measure the level of liquid metal in a crystallizer of a continuous casting ingot mould, the device employing a source of an electromagnetic field and providing for an emitter coil (17) and at least one receiver coil (18) and being characterised in that it includes the supply of the emitter coil ((17) with at least one high frequency and optionally low frequency, the emitter coil (17) and receiver coil (18) being located within the body of the ingot mould in cooperation with a cooling fluid conveyor (11) and being coupled electromagnetically to one single wall of the crystallizer (12) and to the volume within the crystallizer (12).

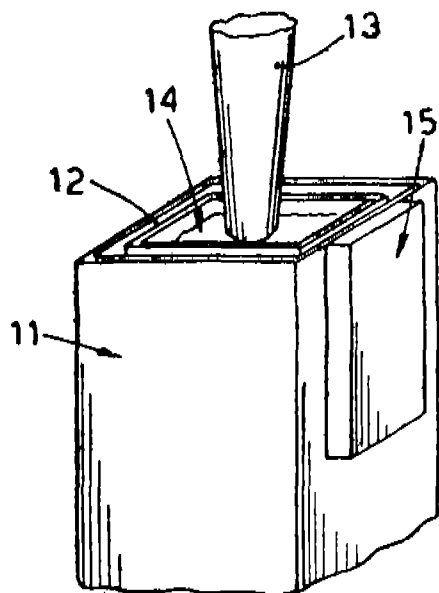


Fig. 1

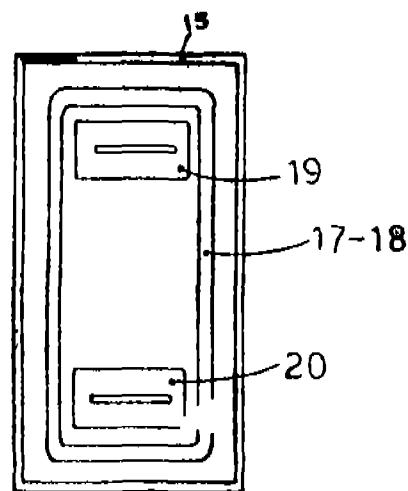


Fig. 2b

Compl. Specn. 13 pages

Drgs. 2 sheets

Cl. 32 F.

171237.

Int. Cl.⁴ : A 61 B 5/06, 19/00,
C 12 N, 15/00.

A METHOD FOR PREPARING A KIT FOR THE DETECTION OF ANTI-ACV (HEPATITIS C VIRUS) IN THE BIOLOGICAL SAMPLES SUCH AS BLOOD, SERUM AND THE LIKE.

Applicant : CHIRON CORPORATION, OF 4560 HORTON STREET, EMERYVILLE, CALIFORNIA 94608, UNITED STATES OF AMERICA.

Inventors : (1) HOUGHTON MICHAEL, (2) CHOO QUI-LIM, (3) KUO GEORGE.

Application No. 801/Cal/1990, filed on September 17, 1990.

[Divided out of No. 960/Cal/88, antdated to 18-11-1988]

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A method for preparing a kit for the detection of anti-HCV antibodies in biological samples such as blood, serum and the like, comprising :

(a) providing a reagent selected from a polypeptide containing an HCV epitope such as herein described;

(b) providing a buffer such as herein described for PH maintenance which allows immunological reactivity between the anti-HCV antibodies and the polypeptide;

(c) providing necessary label such as herein described which will allow detection of anti-HCV antibodies and the polypeptide;

(d) providing a suitable set of assay instructions for conducting the test; and

(e) packaging the materials of (a), (b), (c) and (d).

Compl. Specn. 197 pages

Drgs. 63 sheets.

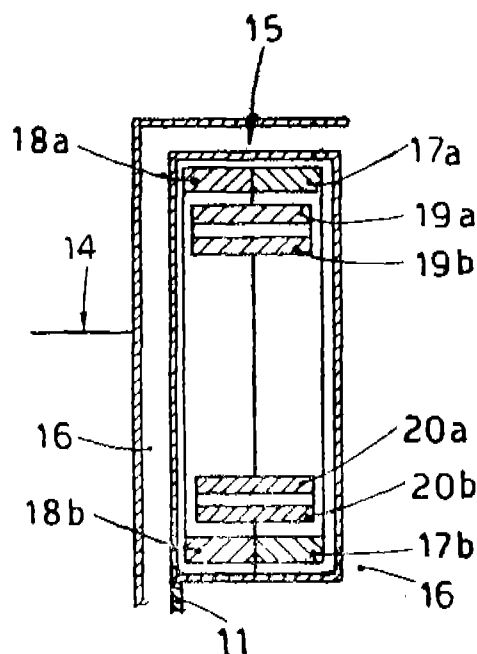


Fig. 2a

Cl. : 55 E.

171238

Int. Cl.⁴ : A 61 K 39/00, 39/29;
C 12 N 15/00.

METHOD OF PRODUCING A POLYPEPTIDE COMPOSED OF AN HCV (HEPATITIS C VIRUS) EPITOPES.

Applicant : CHIRON CORPORATION, OF 4560 HORTON STREET, EMERYVILLE, CALIFORNIA 94608, UNITED STATES OF AMERICA.

Inventors : (1) HOUGHTON MICHAEL, (2) CHOO QUI-LIM, (3) KUO, GEORGE.

Application No. 802/Cal/90; filed on September 17, 1990.
(Divided out of No. 960/Cal/88; antedated to 18-11-88)

Appropriate office for opposition proceedings Rule 4, patent rule 1972) patent office, Calcutta.

2 claims.

A method for producing a polypeptide comprised of an HCV (Hepatitis C Virus) epitope comprising;

(a) providing in a manner such as herein described a host cell such as herein described transformed in a manner such as herein described with a recombinant expression system such as herein described comprised of an open reading frame (ORF) of DNA derived from HCV c DNA and wherein the ORF is operably linked to a control sequence such as herein described compatible with the host cell; and

(b) incubating the transformed host cell under conditions with allow expression of the HCV polypeptide.

Compl. specn. 191 pages.

Drgns. 63 sheets.

Cl. 55 E 4

171239.

Int. Cl.⁴ : A 61 K 39/00, 39/29.
G 12 N 15/00.

METHOD FOR PREPARING A VACCINE FOR TREATING HCV (HEPATITIS C VIRUS)

Applicant : CHIRON CORPORATION, OF 4560 HORTON STREET, EMERYVILLE, CALIFORNIA 94608, UNITED STATES OF AMERICA.

Inventors : (1) HOUGHTON MICHAEL, (2) CHOO QUI-LIM, (3) KUO GEORGE.

Application No. 805/Cal/90, filed on September 17, 1990.
(Divided out of No. 960/Cal/88; antedated to 18-11-88).

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) patent office, Calcutta.

1 claims.

A method for preparing a vaccine for treating HCV (Hepatitis C Virus) comprising :

(a) preparing a polypeptide comprised of an HCV epitope such as herein described by a method comprising the steps of

(i) providing in a manner such as herein described a host cell such as herein described transformed in manner such as herein described with a recombinant expression system comprised of an open reading frame (ORF) of DNA derived from HCV c DNA such an open reading frame (ORF) of DNA derived from HCV c DNA such as herein described and wherein the ORF is operably linked to a control sequence compatible with the host cell; and

(ii) incubating the transformed host cell under conditions which allow expression of the HCV polypeptide;

(b) formulating in a manner such as herein described the said polypeptide in pharmacologically effective doses in a pharmaceutically acceptable excipient such as herein described.

Compl. specn. 191 pages

Drgs. 63 sheets.

Cl. 55 E 4

Int. Cl.⁴ : A 61 K 39/00, 39/29.
C 12 N 15/00.

METHOD FOR PRODUCING A SEQUENCE OF POLYNUCLEOTIDE DERIVED FROM HCV (HEPATITIS C VIRUS).

Applicant : CHIRON CORPORATION, OF 4560 HORTON STREET EMERYVILLE, CALIFORNIA 94608, UNITED STATES OF AMERICA.

Inventors : (1) HOUGHTON MICHAEL (2) CHOO QUI-LIM (3) KUO GEORGE.

Application No. 808/Cal/90; filed on September 17, 1990.
(Divided out of no. 960/Cal/88; antedated to 18-11-88)

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent office, Calcutta.

2 claims.

A method for producing a sequence of polynucleotide derived from HCV (Hepatitis C Virus) comprising :

(a) providing a host cell such as herein described transformed in manner such as herein described with a vector which is comprised of an HCV cDNA sequence, and

(b) isolating in known manner the recombinant vector from the host cell.

Compl. specn. 190 pages.

Drgns. 63 sheets.

Ind. Cl. : 32F₂ a.

171241

Int. Cp : C 07 C-87/54.

AN IMPROVED PROCESS FOR THE PRODUCTION OF DIPHENYLAMINE FROM ANILINE.

Applicant : UNIROYAL CHEMICAL COMPANY, INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

Inventor : RUSSELL EDWARD MALZ.

Application for Patent No. 843/Del/87 filed on 23rd Sept., 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved process for producing diphenylamine from aniline comprising contacting aniline with an alumina catalyst characterised in that said catalyst having at least 30 percent by volume of its total porosity in the form of pores having diameter in the range of from 120 to 200 Angstroms and a sulfur content of less than 0.02 percent by weight, as measured in the form of SO₄, and said process being carried out at a temperature in the range of from 380°C to 475 °C.

Compl. Specn. 12 pages.

Drg. 1 sheet

Ind. Cl. 154D XXXVII (1).

171242

Int. Cl. : G06K 3/00, 15/00, 15/14.

DOT-MATRIX PRINTING MODULE FOR A DOT-MATRIX PRINTER.

Applicant : PRIMAGES INC., OF 151 TRADE ZONE DRIVE RONKONOMA, NEW YORK 11779, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA.

Notice is hereby given that BETEILIGUNGEN SORG GMBH & CO., KG OF IM ALLER 23 8770 LOHR/MAIN, FEDERAL REPUBLIC OF GERMANY. A GERMAN COMPANY have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 191/Mas/88 (171025) for AN IMPROVED METHOD FOR PRODUCING MOLTEN GLASS AND A GLASS MELTING FURNACE THEREOF.

The amendments are by way of correction. The application for amendments and the proceed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing of the said Notice.

Notice is hereby given that AKZO N.V. OF VELPERWEG 76, 6824 BM ARNHEM, THE NETHERLANDS. A DUTCH COMPANY have made an application under Section 57 of the Patents Act 1970, for amendment of application and specification of their application for Patent No. 669/Mas/89 (171030) for A FLUIDIZABLE CRACKING CATALYST COMPOSITION.

The amendments are by way of correction. The application for amendments and the proceed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification

at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing of the said Notice.

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(Continuity from Section 'F' follows).

SUBJECT—MATTER INDEX AS PER INTERNATIONAL CLASSIFICATION SYSTEM OF THE COMPLETE SPECIFICATION ACCEPTED & NOTIFIED DURING THE YEAR—1990

(Date of Specification in 2nd column denotes; Date of Complete specification/Anti-date/Post-date. 4 classes of Applicants Code in the 7th column are the abridged forms; i.e., I=Indian Individual; IC=Indian Company; F=Foreign Individual; FC=Foreign Company.)

SECTION=G; PHYSICS

No case was accepted within the following classes

G	01	H	:	Measurement of mechanical vibrations or ultrasonic, sonic or infrasonic waves.
G	01	W	:	Meteorology.
G	02	F	:	Devices or arrangements, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements for the control of the intensity, colour, phase, polarisation or direction of light, e.g. switching, gating, modulating or demodulating; Techniques or procedures for the operation thereof; Frequency-changing; Non-linear optics; Optical logic elements; Optical analogue/digital converters.
G	03	F	:	Photomechanical production of textured or patterned surfaces, e.g. for printing for processing of semiconductor devices; Originals therefor.
G	04		:	HOROLOGY.
G	04		:	Mechanically-driven clocks or watches; Mechanical parts of clocks or watches in general; Time-pieces using the position of the sun, moon or stars.
G	04	C	:	Electromechanical clocks or watches.

Inventor : MOSI CHU.

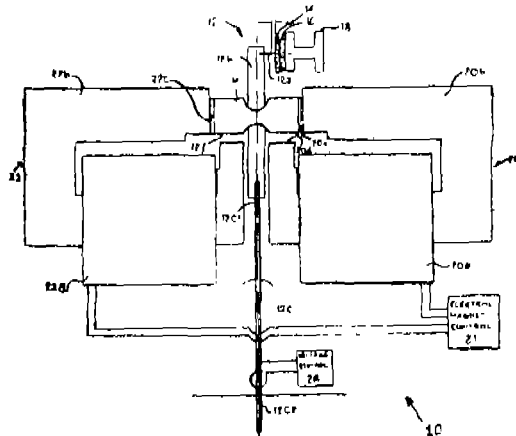
Application for Patent No. 855/Del/87 filed on 28th Sept., 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

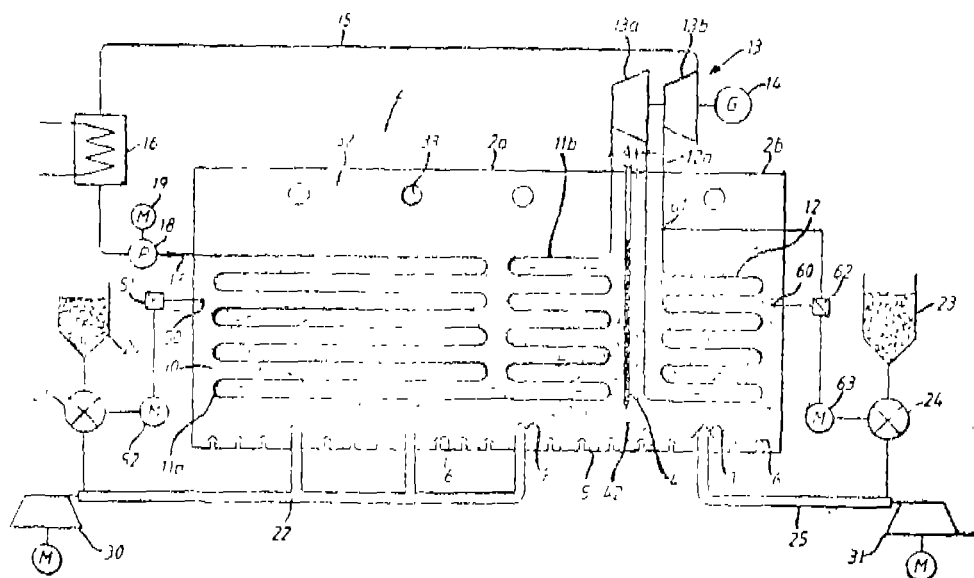
A dot-matrix printing module (12) for a dot-matrix printer (10) employing flat-faced tractor magnets (20, 22) for driving a dot print element into contact with a record medium (14, 16) characterised in that said module comprises at least one bendable elongate piezo-electric lamina (12c, 52a) having a first (12cl, 52e) and a second (12c2, 52f) end, said bendable piezo-electric lamina being fixedly supported or near one end (12cl, 52e) thereof mounting means (12b, 66),

a planar ferro-magnetic member (M, 52b) operatively connected to said lamina or each of said laminae (12c, 52a) at a location remote from said one end (12cl, 52e) thereof, said dot-print element (12a, 52c) being connected to said bendable piezo-electric lamina or each of said bendable piezo-electric laminae (12c, 52a) in the region of said planar ferro magnetic member (M, 52b) said dot-print element (12a, 52c) responding to the movement of said lamina when said ferro-magnetic member (M, 52b) is acted upon by the magnets (20, 22) of said printer (10).



Comp. Specn. 14 pages

Drgs. 5 sheets



Compl. Specn. 11 pages

Drgs. 3 sheets

Ind. Cl. : 85 J

171243

Int. Cl. : F 27 B 15/00, F 23 C 11/02.

A POWER PLANT FOR COMBUSTION OF A FUEL IN A FLUIDIZED BED.

Applicant : ASEA STAL AB, A SWEDISH BODY CORPORATE, OF S-612, 20 FINSPONG, SWEDEN.

Inventors : KARL-JOHN NILSSON, KRISHNA PILLAI.

Application for Patent No. 866/Del 87 filed on 1st October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A power plant for combustion of a fuel comprising a combustion chamber (2) having a bed of fluidized particulate material, a multistage steam turbine (13) connected to at least one tube nest in said combustion chamber (2), and intermediate superheater in said combustion chamber connected between stages of said steam turbine for superheating steam between turbine stages, at least one fuel supply unit (20, 23) connected to said combustion chamber (2), characterised in that said combustion chamber (2) contains a vertical partition wall (4) which divides said combustion chamber in the bed region into a first and a second combustion chamber portions (2a, 2b) said partition wall (4) having at least one opening (42) through which said first and second combustion chamber portions (2a, 2b) communicate and through which a limited exchange of bed material takes place, a first nest of boiler tubes (11) located in said first portion (2a) for generating steam and a second nest of boiler tubes (12) located in said second portion (2b) for intermediate superheating of steam between turbine stages, said first and second portions each being connected to said at least one fuel supply unit, a control means connected to said at least one fuel supply unit, (20, 23) for controlling bed temperature of said second combustion chamber portion (2b) thereby regulating the fuel supply to said second combustion chamber portion (2b).

Ind. Cl. : 150 G XLVIII (1).

171244

Int. Cl. : F 16 L 15/04.

CLAMP OR CONNECTOR FOR ELONGATE MEMBER.

Applicant : ROBERT EMMETT, C/O B.S.W. DESIGN & ENGINEERING COMPANY, THE WHITE CROSS INDUSTRIAL ESTATE, LANCASTER LA1 4XO, ENGLAND AND OWEN WALMSLEY, C/O B.S.W. DESIGN & ENGINEERING COMPANY, THE WHITE CROSS INDUSTRIAL ESTATE, LANCASTER LA1 4XO ENGLAND, BOTH BRITISH CITIZENS.

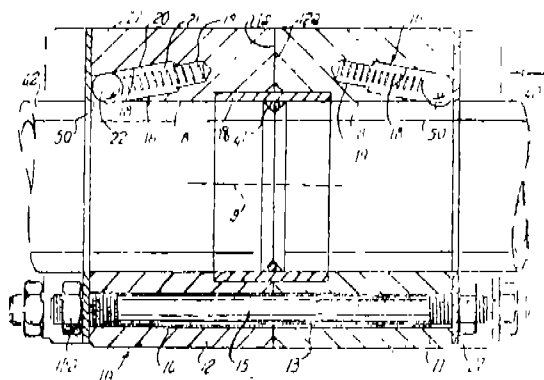
Inventor : OWEN WALMSLEY.

Application for Patent No. 873/Del/87 filed on 5th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A clamp or connector (10) for an elongate member (40, 42) such as pipe, said clamp or connector comprising two parts (11, 12), each having an axis (9), at least one of said parts having a plurality of recesses (16), each said recess providing a surface (18) inclined to said axis at an acute angle, a plurality of movable members (22) respectively received in said plurality of recesses (16), said movable members (22) engaging respective said inclined surfaces (18) and for frictionally engaging a said elongate member (40, 42) each of said movable members (21) having (22) for urging said respective movable members (22) towards an axial end of the respective recess and hence along said inclined surface (18), and means (15a) for moving said two parts (11, 12) relative to each other to cause said movable members (22), each of said movable members to frictionally engage said elongate member (40, 42) more firmly, each of said movable members (22) being movable axially and radially in its respective recess (16) to accommodate any surface non-uniformity of said elongate member (40, 42) in the area of one movable member (22) relative to the other movable members (22).



Compl. Specn. 11 pages

Drgs. 2 Sheets

Ind. Cl. : 31 C.

171245

Int. Cl. : H01L 21/02, 21/26, 21/42.

A PROCESS FOR MANUFACTURING A SELECTIVELY INTERMIXED MULTILAYERED SEMICONDUCTOR PRODUCT BY SELECTIVE INTERMIXING OF A MULTILAYERED SEMICONDUCTOR STRUCTURE.

Applicant : AMOCO CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF INDIANA, UNITED STATES OF AMERICA, OF 200 EAST RANDOLPH DRIVE CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventors : JOHN DUNCAN RALSTON, ANTHONY LUKE MORETTI, RAVINDER KUMAR JAIN.

Application for Patent No. 875/Del/87 filed on 6th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

22 Claims

A process for manufacturing a selectively intermixed multilayered semiconductor product by selective intermixing of a multilayered semiconductor structure, said structure having at least two layers and comprising alternating quantum-well layers such as herein described and barrier layers such as herein described, comprising the steps of :

- affording in a manner such as herein described a multilayered semiconductor structure, each layer having a thickness within the range from 5 to 500 Å, with said structure having at least one exposed surface layer;
- irradiating in a manner as herein described, said multilayered semiconductor structure, over a selected area of an exposed surface layer, with an energy source such as herein described adapted to provide an energy density sufficient to effect intermixing between alternating layers; and
- recovering the required selectively intermixed multilayered semiconductor product structure having selected lateral and/or vertical regions which exhibit optical and/or electronic properties different from those of the original semiconductor structure.

Compl. Specn. 20 pages.

Drgs. 4 Sheets

Ind. Cl. : 68 E₂ LVII (3)

171246

Int. Cl. : H 01 M 10/00.

Title : BATTERY POWERED LIGHT SOURCE.

Applicant : ALCAN INTERNATIONAL LIMITED A COMPANY INCORPORATED UNDER THE LAWS OF CANADA, OF 1188 SHERBROOKE STREET, WEST MONTREAL, QUEBEC, CANADA H3A 3G2.

Inventors : ROBERT PAUL HAMLEN, THOMAS JOHAN ZOLTNER, WILLIAM KOBASZ, MICHAEL VICTOR ROSE.

Application for Patent No. : 879/DEL/87 filed on 6th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

Claims 11

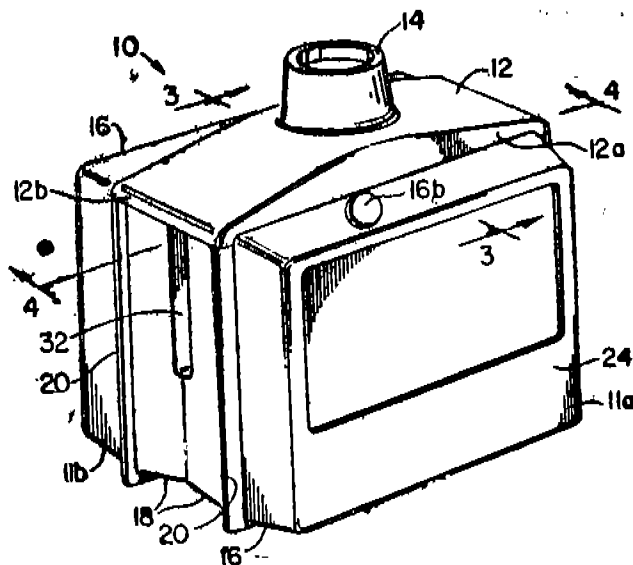
A battery powered light source comprising :-

- a socket (14) containing an electric light bulb;
- a plurality of air cathodes (34);
- a plurality of metal anodes (36), one for each cathode;
- a plurality of electrically nonconductive housing (11a, 11b) disposed adjacent to and joined to each other;
- wherein each housing (11a, 11b) encloses a respective chamber (22) for holding liquid electrolyte, said chamber containing one cathode (34) and one anode (36) which are spaced from each other and form an anode-cathode pair, for electrolytic reaction with said electrolyte producing an insoluble reaction product, each said housing further defining a cavity (22a) below the anode-cathode pair and in fluid flow communication with the chamber (22)

for collecting sid reaction product, and each housing has means defining at least one air passage (32) from its chamber to the chamber of an adjacent housing, and an opening (28) through which a surface of the cathode (34) contained in the housing is exposed to air in said passage (32);

(f) the housings (11a, 11b) being joined to each other such that the air-passage-defining means therein co-operate to form at least one common air passage (32); and

(g) circuit means for electrically connecting the anode-cathode pairs to each other and to the electric light bulb socket (14).



Compl. Specn. 17 pages

Drawing Sheets 2.

Ind. Cl. : 132 C XXXIV (3).

171247

Int. Cl. : B 01 F 5/00, 7/00.

AN INTERNAL MIXING MACHINE FOR MIXING BATCHES OF INGREDIENTS INTO A HOMOGENEOUS MASS.

Applicant : FARREL CORPORATION, OF 25 MAIN STREET, ANSONIA, CONNECTICUT 06401 UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE UNITED STATES OF AMERICA.

Inventor : NARKU OKWEI NORTEY.

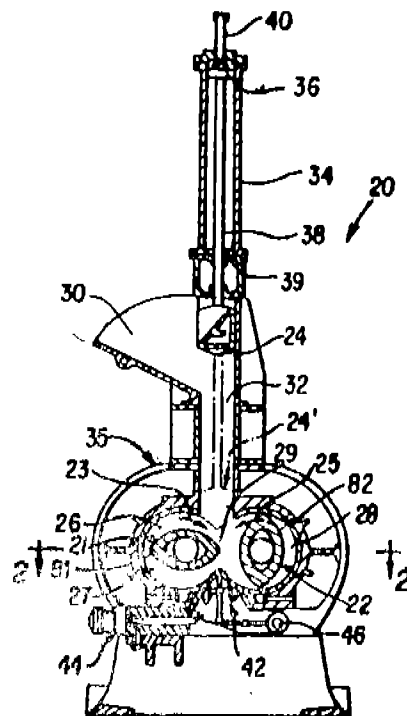
Application for Patent No. 887/DEL/87 filed on 9th Oct., 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 20

An internal mixing machine for mixing batches of ingredients into a homogeneous mass (20) comprising housing means (35) having a mixing chamber (26) with respective cavities (27 and 28) to accommodate first and second counter-rotating non-intermeshing winged rotors (81, and 82), (81 and 82) on parallel horizontal axes (60) in said respective cavities, said cavities communicating in a central region (29) of the mixing chamber located generally between said rotors, said mixing chamber having an inlet and an outlet, said machine comprising drive means (50, 48) for rotating said rotors in opposite directions (23, 25) around their respective axes, wherein said first and second rotors each has a driven end (57) and a coolant end (58) and at least three wings with wing tips (91, 92, 93, 94 or 91, 92, 93) of substantially helical configuration comprising first and second long wings and at least one short wing, said first and second non-intermeshing rotors being characterised in that said first long wing on each rotor originates at a first end (57, or 58)

of the rotor at a zero angular position with respect to the rotor axis and has its wing tip (91) oriented to the rotor axis at a first helix angle A_1 in the range from 25° to 45° , said second long wing originates at the second end (58 or 57) of the rotor at an angular position with respect to the rotor axis in the range from 176° to 184° and has its wing tip (92) oriented to the rotor axis at a second helix angle A_2 greater than A_1 , said short wing (93) originates at the same end of the rotor as said first long wing which has the lesser helix angle A_1 , said short wing originates at said first end of the rotor at an angular position with respect to the rotor axis in the range from 131° to 139° and has its wing tip (93) oriented to the rotor axis at a third helix angle A_3 in the range from 20° to 50° and said first end of said first rotor being the driven end which is driven by said drive means, and said second end of said second rotor being the driven end which is driven by said drive means.



Compl. Specn. 32 Pages

Drgns. 8 Sheets.

Ind. Cl. : 132 A 1 XXXIV (3).

171248

Int. Cl. : B 01 F 5/14.

INTERNAL MIXING MACHINE FOR MIXING BATCHES OF INGREDIENTS INTO A HOMOGENEOUS MASS.

Applicant : FARREL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 25 MAIN STREET, ANSONIA, CONNECTICUT 06401, UNITED STATES OF AMERICA.

Inventor : NARKU OKWEI NORTEY.

Application for Patent No. 888/DEL/87 filed on 9th Oct., 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 7

An internal mixing machine (20) having housing means (35) comprising a mixing chamber (26) to accommodate two counter rotating non-intermeshing winged rotors on parallel horizontal axes (60) in said mixing chamber, said housing means having drive means (55, 56, 48, 50) for turning said rotors around their respective axes, an inlet for introducing materials into the mixing chamber and an outlet for discharging materials from said mixing chamber, two improved non-intermeshing two-wing rotors characterised by first and second non-intermeshing rotors (81, 82) each having a wing tip (91, 92) of generally helical configuration; aid first wing on each rotor having its wing tip (91) originating at a first end (57 or 58) of the rotor at a zero angular position with respect to the rotor axis and having its wing tip oriented at a first helix angle A_1 in the range from 25° to 45° , said second wing end (58 or 57) of the rotor at an angular position with respect to the rotor axis in the range from 176° to 184° and having its wing tip oriented at a second helix angle A_2 in the range from 35° to 55° ; said wing tip (91) of said first wing having a twist angle T_1 in the range from 80° to 110° ; said wing tip (92) of said second wing having a twist angle T_2 in the range from 90° to 120° ; said second helix angle A_2 being larger than said first helix angle A_1 ; and said first and second rotors being located in said mixing chamber with the first end of the first rotor at the same end of said mixing chamber as the second end of the second rotor.

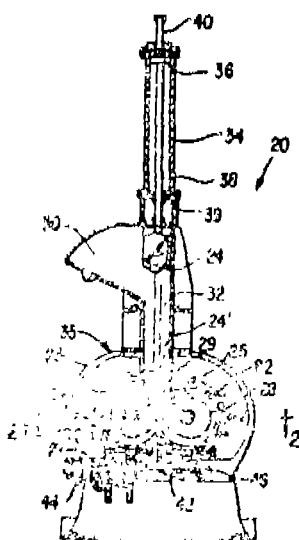


Fig. 1

(Compl. Specn. 31 Pages;

Drwgs. 14 Sheets.)

Ind. Cl. : 76 B IXIV (4).

171249

Int. Cl. : B 25 F 3/00, 5/00,

B 25 G. 1/08.

A TOOL RING FOR SECURING BLANKS IN PARTICULAR IN A NAIL MAKING MACHINE.

Applicant : ENKOTEC A/S, A DANISH COMPANY OF DANMARKSVEJ 37, DK-8660 SKANDERBORG, DENMARK.

Inventor : OVE NIELSEN.

Application for Patent No. 893/DEL/87 filed on 13th Oct. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3-207 GI/92

Claims 8

A tool ring for securing blanks in particular in a nail making machine of the type comprising a pair of rotating rings (A, B) whose opposite, plane side faces are formed with a plurality of holding tools (8) for securing an oblong blank (16) substantially radially between a pair of said holding tools (8) in respective ones of said rings (A, B), characterized in that at least one ring (A or B) has a groove (4) therein for receiving holding tools (8) and spacer tools (9), said groove being formed with a co-axially engagement disposed face transversely to the plane of the ring to engage said tools (8, 9), of which at least the holding tools (8) have a convex end face to engage said engagement face and are mutually spaced by the spacer tools (9), at least some spacer tools (9), being fixed in the groove (4) at respective pre-determined positions, while the position in the groove (4) of the tools (8) disposed between the fixed spacer tools being determined by wedging cooperation between wedgefaces (24, 25) on the tools (8, 9).

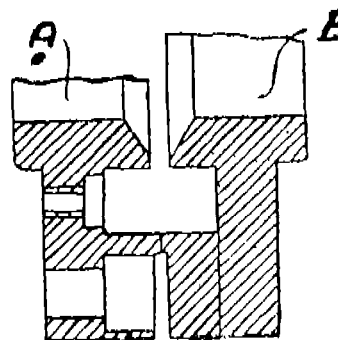


Fig. 3

(Compl. Specn. 16 Pages;

Drwgs. 4 Sheets.)

Ind. Cl. : 32 F₂ (C) IX (1).

171250

Int. Cl. : C 07 C 127/00.

A PROCESS FOR THE SYNTHESIS OF UREA.

Applicant : TOYO ENGINEERING CORPORATION, A JAPANESE COMPANY, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : HIDE TSUGU FUJII & HIDE TOSHI UCHINO.

Application for Patent No. 907/DEL/87 filed on 16th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the synthesis of urea from ammonia and carbon dioxide, which comprises feeding ammonia and carbon dioxide to a synthesis section for urea synthesis having a temperature and a pressure suitable for urea synthesis as in any known manner to form a urea synthesis solution comprising urea, ammonium carbamate, ammonia, carbon dioxide and water, separating, in any known manner, part of materials such as herein described unconverted into urea from this synthesis solution as a first gaseous mixture by stripping said synthesis solution using part of made up carbon dioxide raw material and heating at a temperature in any known manner under a pressure substantially equal to the pressure of urea synthesis solution remaining after the separation of said first gaseous mixture, separating part of unconverted raw materials from the resulting urea synthesis solution by heating as a second gaseous mixture comprising ammonia, carbon dioxide and steam, bringing the second gaseous mixture into contact with a first solution returning, in any known manner, the residual unconverted materials comprising at least one of ammonia and carbon dioxide to

be recycled to the synthesis section under a pressure substantially equal to the pressure for the separation of the second gaseous mixture to form a further solution, recovering in any known manner and utilizing the heat generated by the formation of the further solution within the process, bringing the first gaseous mixture into contact with the further solution under a pressure substantially equal to the pressure of the urea synthesis to form ammonium carbamate, transferring part of the heat generated by the formation of ammonium carbamate directly through heat transfer tube walls to the urea synthesis solution to separate the second gaseous mixture and the residual part thereof was utilized for the generation of steam and transferring the mixture obtained by the contact of the first gaseous mixture with the further solution to the synthesis section characterized in that :

the molar ratio of the total ammonia to the total carbon dioxide to be fed to the synthesis section is in the range from 2.8 to 5 preferable from 2.8 to 3.4 the pressure of the synthesis section is in the range from 140 to 210 kg/cm² G preferable from 140 kg to 170 kg/cm² G the total content of ammonia and carbon dioxide in the urea synthesis solution remaining after the separation of the first gaseous mixture is in the range from 13 to 35 preferable from 13% to 24% by weight and the separation of the second gaseous mixture is carried out under a pressure of 12 to 24 kg/cm² G preferable from 12 to 24 kg/cm² G while the total content of ammonia and carbon dioxide in the urea synthesis solution remaining after the separation of the second gaseous mixture is in the range from 5 to 13% preferable for 5 to 11% by weight.

(Compl. Specn. 35 Pages;

Drwgs. 1 Sheet.)

Ind. Cl. : 130 F.

171251

Int. Cl. : C 22 B 4/06.

A METHOD OF RECOVERING METALS AND METAL ALLOYS BY REDUCING METAL OXIDES AND AN APPARATUS FOR RECOVERING THE SAME.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, AN AUSTRIAN COMPANY, OF 44 TURMSTRASSE, A-4020 LINZ, AUSTRIA.

Inventors : ERICH OTTENSCHLAGER, WERNER LEOPOLD KEPPLINGER.

Application for Patent No. : 911/DEL/87 filed on 19th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A method of recovering metals and metal alloys, such as ferro-alloys, by reducing metal oxides in a reduction zone formed by a coal bed penetrated by a reducing gas, the improvement comprising :

providing a three-lays state coal bed having a bottom static bed layer of degassed coal covering a liquid sump of reduced metal and slag, a middle static bed layer, and a top static bed layer.

feeding a lumpy oxidic charging material having a grain size of from 6 to 50mm above said reduction zone and passing said charge material under gravity action through said three layer static coal bed.

introducing one of oxygen and an oxygen-containing gas into said middle static bed layer so as to form a hot reducing gas consisting essentially of CO, and

feeding combustion gasses of carbon particles and one of oxygen and oxygen-containing gas into said top static bed layer and thereby reducing the metal oxide at about 1000°C to obtain the desired metals and metal alloys.

(Compl. Specn. 13 Pages;

Drwgs. 1 Sheet.)

Ind. Cl. : 134 A LH (1).

171252

Int. Cl. : F 16 D 1/00, 3/64.

A POWER TRANSMITTING PRESS FIT COUPLING STRUCTURE FOR A TWO WHEELER VEHICLE.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A JAPANESE COMPANY, OF 1-1 MINAMILAO YAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN.

Inventors : KAORU HANAWA, YASHIMI OSANAI, SHIGEO KIMURA.

Applicant for Patent No. 914/DEL/87 filed on 19-10-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 2)

A power transmitting press fit coupling structure for a two wheeler vehicle wherein the gear wheel (11) and axle (10) are press fitted and at least one of mutually contacting faces on said gear wheel or said axle is low temperature sulphurized treated before press fitting.

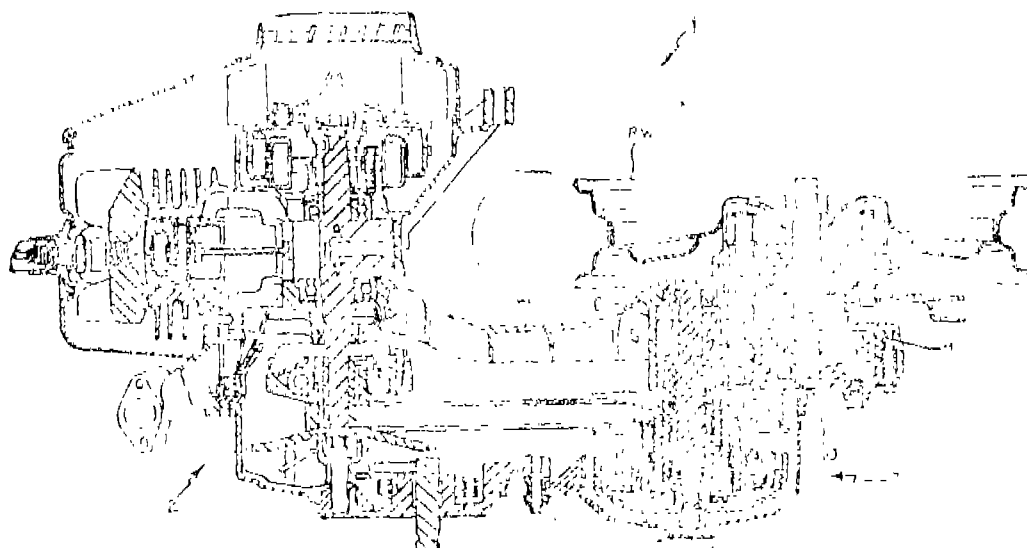


Fig. 1

Ind. Cl. : 128 G XIX (2).

171253

(Claims 6)

Int. Cl. : A 61 M 25 00.

MULTIPLE BALLOON DILATATION CATHETER.

Applicant : C. R. BARD, INC., OF 731 CENTRAL AVENUE, MURRAY HILL, NEW JERSEY 07974, UNITED STATES OF AMERICA, A COMPANY INCORPORATED IN THE STATES OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : JAMES FREDERICK CRITTENDEN.

Application for Patent No. 924/DEL. 87 filed on 21-10-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A multiple balloon dilatation catheter comprising an elongate shaft (10) having a proximal end and a distal end, an inner balloon (20) and an outer balloon (22) of thin and relatively inelastic material, mounted on the distal end so that the outer balloon (22) is about the inner balloon (20), a first inflation lumen (14) located within said shaft (10) and having a distal end thereof in communication with the interior of said outer balloon (22), a second inflation lumen (16) located within said shaft (10) and being independent of said first inflation lumen (14), said second inflation lumen (16) having a distal end in communication with the interior of the inner balloon (20).

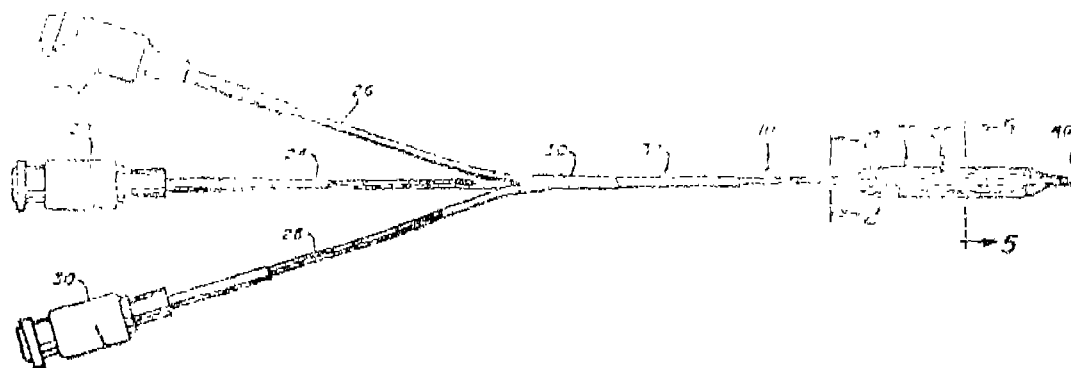


Fig. 1

Compl. Specn. 21 Pages

Drawgs. 1 Sheet

Ind. Cl. : 32 F IX (1).

171254

Int. Cl. : C 07 C 119/02.

AN IMPROVED METHOD OF RECOVERING A CRUDE ORGANIC ISOCYANATE FROM A MIXTURE OF CONTAINING SAID ISOCYANATE AND POLYMERIC BYPRODUCTS.

Applicant : NOBLE CHEMATUR, A JOINT-STOCK COMPANY ORGANISED UNDER THE LAWS OF SWEDEN, OF BOX 430, S-691 27 KARLSKOGA, SWEDEN.

Inventors : SOREN ABRAHAMSSON, WANG SHUZHEN

Inventors : SOREN ABRAHAMSSON, WANG SHUZHEN 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 8)

An improved method of recovering a crude organic isocyanate from a mixture containing said isocyanate and polymeric by-products of the kind such as herein described, by rapid heating of said mixture whereby the isocyanate is vaporized and recovered by condensation, said rapid heating is carried out by contacting said mixture with a heat-stable and non-combustible bath of molten metal or molten salt which is at a temperature within the range of 250° — 450°.

Compl. Specn. 9

Drg. Sheet 1

Ind. Cl. : 32 F + 40 B.

171255

Int. Cl. : C 07 C 51/10, 51/62, 53/01, 53/18.

A CATALYTIC PROCESS FOR THE MANUFACTURE OF ORGANIC ACID FLUORIDE.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES S. A., TOUR AURORA-PLACE DES REFLETS, F-92080 PARIS LA DEFENSE-CEDEX 5, FRANCE, A FRENCH COMPANY.

Inventors : DELAVARENNE SERGE, FAUCONET MICHEL, SIMON MICHEL, SOMMER JEAN.

Application for Patent No. 942/DEL 87 filed on 28th October, '87.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 10)

A catalytic process for the manufacture of organic acid fluoride from carbon monoxide and an aliphatic hydrocarbon stream mainly containing at least one alkane containing 3 to 4 carbon atoms, which comprises the following steps :

- introducing at least one fluid chosen from carbon monoxide and the said hydrocarbon stream into a reactor in the presence of a superacidic catalyst system consisting essentially of hydrogen fluoride and antimony pentafluoride,
- where appropriate, if it has not already been introduced during step (a), introducing into the reactor of a fluid chosen from carbon monoxide and the said hydrocarbon stream, the reactor being at a temperature not above 60° C, to permit the formation, principally, of a complex consisting of the alkylloxycarbonium cation and the anion SbF₆⁻,
- converting the said complex into acid fluoride by method as herein described, and
- separating the acid fluoride by known methods.

(Complete Specification 20 Pages Drawing Sheets Nil).

Ind. Cl. : 146 D2 XXXVIII (2)

171256

nt. Cl. : G 03 B 41/00.

AN APPARATUS FOR SUBSTITUTING A HIGHER QUALITY AUDIO SOUNDTRACK FOR A LESSER QUALITY AUDIO SOUNDTRACK DURING REPRODUCTION OF THE LESSER QUALITY AUDIO SOUNDTRACK AND A CORRESPONDING VISUAL PICTURE.

Applicant : FRED JAMES, a U.S. citizen of 31 Union Square West, Suite 11B, New York, New York 10003, United States of America.

Inventor : JAMES FRED.

Application For Patent No. 953/DEL/87 filed on 2nd November, 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 7)

An apparatus for substituting a higher quality audio soundtrack for a lesser quality audio soundtrack and a corresponding visual picture which comprises a master reproducing means (14) for reproducing a visual signal and a corresponding first audio signal, a slave (1) reproducing means (18) for reproducing a second audio signal which is of a higher quality than said first audio signal, a synchronising and controlling means (20, 22) connected between said master and said slave reproducing means for detecting the amount of synchronisation between said first and second audio signals and for controlling the slave reproduction means in response to said detection to bring said first and second audio signals into synchronization, and a switch means (24) connected between a sound system (16) and said synchronising and controlling means on the one hand and connected between said master and said slave reproducing means on the other hand for switching said first audio signal to said sound system when said first and second audio signals are out of synchronisation and for switching said second audio signal to said second system when said first and second audio signals are in synchronization whereby the second higher quality audio signal is substituted for the first audio signal when synchronization is achieved between the second audio signal and the first audio signal.

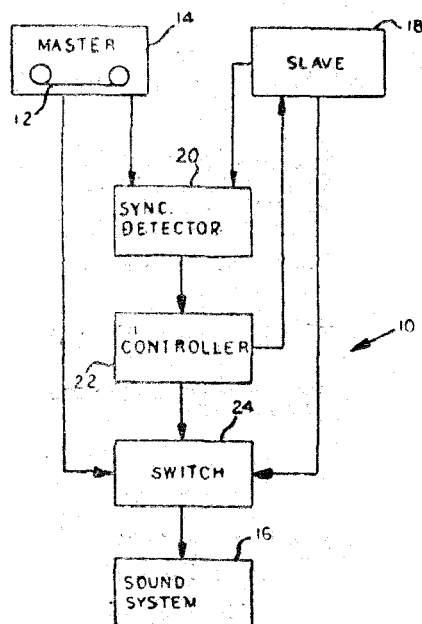


Fig. 1

(Complete Specification 16 pages Drawing Sheets 5).

Ind. Cl. : 195 E XXIX (3).

171257

Int. Cl. : F 16 C 11/00, E 23 N 3/02, 3/04, 3/06.

A METERING VALVE.

Applicant : PAUL WURTH S. A., a company organised under the laws of Luxembourg, of 32 rue d'Alsace, L-1122 Luxembourg, Grand-Duchy of Luxembourg.

Inventors : EDOUARD LEGILLE EMILE LONARDI.

Application for Patent No. : 957/DEL/87 filed on 3-11-1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 4)

A metering valve consisting of two rotary shutters (10, 12) shaped as spherical or cylindrical domes and provided with cutouts which are symmetrical in relation to the axis of a central opening made by the movement of the shutters (10, 12) and of their cutouts, said shutters being fastened to two drive shafts (14, 16) disposed coaxially in relation to one another and received in bearing of a flow tube whereby pivoting about their common axis to operate each of said shutters (10, 12) synchronously and in opposite directions, each of the said two shafts (14, 16) is provided with an arm (24, 26) each arm being articulated by means of a connecting rod (28, 30) on a rocking lever (32, 34) mounted on a pivot axis (36) parallel to the common axis of the two shafts (14, 16), said rocking levers (32, 34) being connected to a drive means through connecting rods (28, 30) for pivoting them about their pivot axis (36) and the articulation between one of the rocking levers (34) and its connecting rod (30) is angularly offset about said pivot axis (36) in relation to the articulation between the other rocking lever (32) and its connecting rod (28), characterised in that the said two drive shafts of said shutters (10, 12), are mounted for rotation in a cylindrical sleeve (48) provided on the said drive shafts (14, 16), which in turn are mounted for rotation in bearing (54) fixed to the flow tube (18).

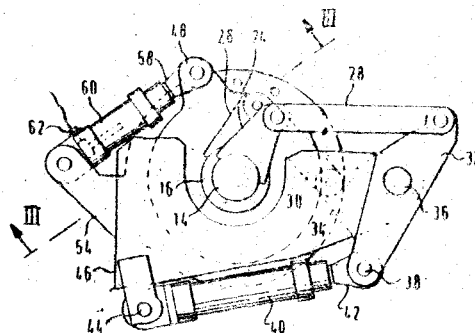


Fig. 6

(Complete Specification 12 Pages Drawing Sheets 5).

Ind. Cl. : 195 E XXIX (3)

171258

Int. Cl. : F 16 C 11/00, F 23 N 3/02, 3/04, 3/06.

A METERING VALVE.

Applicant : PAUL WURTH S.A., a company organised under the laws of Luxembourg of 32 rue d'Alsace, L-1122 Luxembourg, Grand-Duchy of Luxembourg.

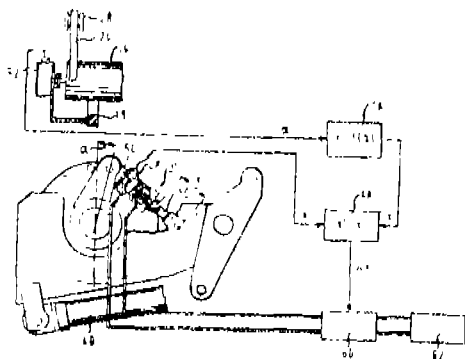
Inventor : EMILE LONARDI.

Application for Patent No. : 958/DEL/87 filed on 3rd November, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 2)

A metering valve consisting of two rotary shutters (10, 12) shaped as spherical or cylindrical domes and provided with cutout portions which are symmetrical in relation to the axis of a central opening limited by the movement of the shutters (10, 12) and of their cutout portions, said shutters connected to two drive shafts (14, 16) located coaxially in relation to one another and extending through the bearings of a frame whereby pivoting about a common axis of said drive shafts (14, 16) enable rotation of each of said shutters (10, 12) synchronously and in opposite directions, each of said two coaxial drive shafts (14, 16) being connected to respective arms (24, 26), said arms being articulated by means of respective connecting rods (28, 30) on respective rocking levers (32, 34) each mounted on a pivot axle (36) parallel to the common axis of said two drive shafts (14, 16), said rocking levers (32, 34) being connected to drive means for pivoting the levers (32, 34) about said pivot axle (36), the articulation between one of said rocking levers (34) and its connecting rod (30) being angularly offset about said pivot axle (36) in relation to the articulation between the other rocking lever (32) and its connecting rod (28), characterised in that one of said connecting rods (28, 30) is provided with a hydraulic ram (48, 50) to enable said connecting rod to be adjustable in length, and wherein a control circuit is connected to said hydraulic ram, said control circuit comprising a detector (52) for detecting the angular position the shutter whose connecting rod is not adjustable, a detector (54) for the actual position of the hydraulic ram (48, 50), a comparator (58) for comparing the actual position of the ram with a stored set position in dependence on the angular position indicated by the detector (52) and a hydraulic valve (60) controlled in dependence on the result of the comparison made by the comparator (58) connected to said hydraulic ram (48, 50) and to operate said ram until the actual position of the latter corresponds to the set position.



(Complete specification 12 pages drawings sheets 5).

Ind. Cl. : 68 D LVII (3).

171259

Int. Cl. : H 01 73/00.

ELECTRIC PROTECTION APPARATUS FOR AUTOMATICALLY INTERRUPTING FAULT CURRENTS REACHING DIFFERENT LEVELS.

Applicant : LA TELEMECANIQUE ELECTRIQUE, A FRENCH COMPANY, OF 33 BIS, AVENUE DU MARÉCHAL JOFFRE, 92000 NANTERRE, FRANCE.

Inventors : ELIE BELBEL,
ANDRE VERGEZ,
LOUIS FECHANT,
JEAN-PAUL RIOTTE.

Application for Patent No. 966/DEL/87 filed on 9th November, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

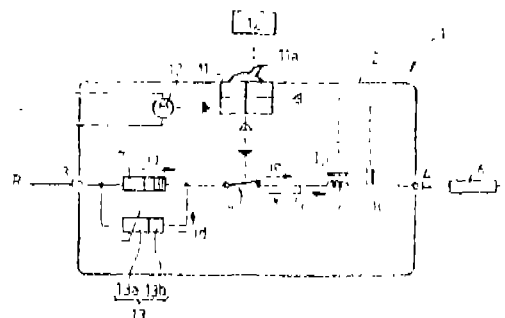
Claims 16

An electric protection apparatus for automatically interrupting fault currents reaching different levels, in which an internal circuit placed between an input terminal (3) for connection to a grid and an output terminal (4) going to a load comprises :

a mechanical switching device (8) openable when the circuit has current flowing therethrough reaching a first level;

a current limiting device (7) connected to said mechanical switching device (8) and which reacts faster than the switching device (8) to short circuit currents reaching a second higher level and provides an initial release of power;

static voltage stabilizing means (13) connected in parallel across said current limiting device (7) for transferring therethrough a fraction of the currents when a potential difference developed at terminals of the current limiting device (7) reaches a value equal to the stabilization voltage (45) of the static voltage stabilizing means (13) said voltage stabilizing means (13) having a zinc oxide component (13a) with a threshold voltage less than or equal to the voltage appearing at the terminals of the current limiting device (7) when a current between said input and output terminals corresponds to amount of released power in the limiting device (7) of reduced value.



(Complete Specification 24 Pages

Drawing Sheets 8).

Ind. Cl. : 32 E IX (1).

171260

Int. Cl. : C 08 L 33/08, 33/10

A LIGHT DIFFUSING THERMOPLASTIC POLYMER COMPOSITION.

Applicant : ROHM AND HAAS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF DELAWARE, UNITED STATES OF AMERICA OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Inventors : WILLIAM JAMES WORK,
JIUN-CHEN WU.

Application for Patent No. 971/DEL/87 filed on 12th Nov., 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A light-diffusing thermoplastic polymer composition which comprises a thermoplastic (1) matrix polymer such as herein described and, distributed throughout the matrix polymer, from 0.1% to 10% of the total composition weight of particles of particulate (2) polymer which comprises particles of core/shell polymer having an average diameter of from 2 to 15 μm , a particles size distribution such that at least 90% by weight of the particles fall within $\pm 20\%$ of the average particle diameter, a core of rubbery polymer comprising alkyl acrylate units, the alkyl group having from 2 to 8 carbon atoms, and having a refractive index (MD°) within 0.2 time

of, but preferably no closer than ± 0.003 to, the refractive index of the matrix polymer, and one or more polymer shells, the outer most of which is compatible with the matrix polymer, which shells comprise from 5 to 40% of the weight of the particles.

Complete specification 45 Pages Drawing sheets Nil).

PATENT SEALED

ON 24-07-1992

169018 169019 169022 169025 169026 169028 169030 169034
169037 169038 169043 169048 169065 169077 169084 169086
169089 169090 169091 169100 169383 169883

Cal—21, Del—1, Mas—Nil, Bom—Nil.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Sh. Ravi Gandhi of 1/79, Vikas Puri, New Delhi-110018 has made an application on form-29 under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 164224 (43/Del/86) for A door-viewer.

The amendments are by way of amending the specification to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

The amendments proposed by Hoechst Aktiengesellschaft of D-6230 Frankfurt am Main 80, Federal Republic of Germany in respect of application for Patent No. 168265 as advertised in Part III, Sec. 2 of the Gazette of India on the 24th August, 1991 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by BETEILIGUNGEN SORG GmbH & Co., KG in respect of Patent Application No. 168858 (950/MAS/86) as advertised in Part III, Section 2 of the Gazette of India on 18-1-1992 and no Opposition being filed within the stipulated period the said amendments have been allowed.

Notice is hereby given that *The Broken Hill Proprietary Company Limited* of 140, William Street, Melbourne in the State of Victoria, Commonwealth of Australia have made an application on form 29 under section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 54/Del/88 (169274) for *improved Process for preparation of alumina according to the Bayer technique*. The amendments are by way of Correction in order to ascertain in the invention better.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

The amendments proposed by RHONE-POULENC BASIC CHEMICALS CO. in respect of Patent Application No. 169965 (450/MAS/87) as advertised in Part III, Section 2, of the Gazette of India on 1st February, 1992 and no Opposition being filed within the stipulated period the said amendments have been allowed.

Notice is hereby given that SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, a German Company, of Friedrich-Ebert Strasse 84, 8070, Ingolstadt, Germany have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 527/Mas/89 (170049) for "A METHOD OF JOINING THREADS IN AN OPEN END SPINNING APPARATUS".

The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN-MICHELLIN & CIE, A FRENCH COMPANY, OF 4 RUE DU TERRAIL, 63000, CLERMONT-FERRAND, FRANCE, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 136/Mas/88 (170568) for a pneumatic tire mountable on a rim.

The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that LABORATORIES DELA-GRANGE, 1, AVENUE PIERRE BROSOLETT, 91380 CHILLY-MASARIN, FRANCE, A FRENCH COMPANY, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 578/Mas/90 (170789) for *PROCESS FOR PREPARING A PHARMACEUTICAL COMPOSITION WITH CONTROLLED BIOAVAILABILITY OF THE ACTIVE PRINCIPLE*.

The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that BETEILIGUNGEN SORG GMBH & CO., KG OF IM ALLER 23 8779 LOHR/MAIN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 191/Mas 88 (171025) for AN IMPROVED METHOD FOR PRODUCING MOLTEN GLASS AND A GLASS MELTING FURNACE THEREFOR.

The amendments are by way of correction. The application for amendments and the proceed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing of the said Notice.

Notice is hereby given that AKZO N.V. OF VEILPERWEG 76, 6824 BM ARNHEM, THE NETHERLANDS, A DUTCH COMPANY have made an application under Section 57 of the Patents Act 1970, for amendment of application and specification of their application for Patent No. 669/Mas-89 (171030) for A FLUIDIZABLE CRACKING CATALYST COMPOSITION.

The amendments are by way of correction. The application for amendments and the proceed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification

at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing of the said Notice.

RENEWAL FEES PAID

149384 149933 152380 152690 152840 153044 154043
154045 154167 154790 155246 155757 156939 157032 158751
158826 159999 160393 160394 160593 160706 160893 161360
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167279 167297 167312 167317 167318 167322 167339 167341
167384 167386 167399 167403 167454 167524 167531 167541
167827 168034 168073 168074 168075 168079 168144 168149
168433 168434 169011

(CESATION OF PATENTS)

151088 151089 151102 151110 151112 151117 151126 151127
151141 151177 151181 151197 151204 151232 151234 151245
151247 151251 151252 151260 151275 151277 151290 151302
151304 151306 151319 151329 151336 151354 151356 151364
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151404 151406 151408 151419 151422 151427 151428 151432
151434 151440 151443 151444 151449 151451 166775

(Continuity from Section 'T' follows).

SUBJECT—MATTER INDEX AS PER INTERNATIONAL CLASSIFICATION SYSTEM OF THE COMPLETE SPECIFICATION ACCEPTED & NOTIFIED DURING THE YEAR—1990

(Date of Specification in 2nd column denotes; Date of Complete specification/Anti-date/Post-date. 4 classes of Applicants Code in the 7th column are the abridged forms; i.e., I=Indian Individual; IC=Indian Company; F=Foreign Individual; FC=Foreign Company.)

SECTION- G : PHYSICS

No case was accepted within the following classes

G	01	H	:	Measurement of mechanical vibrations or ultrasonic, sonic or infrasonic waves.
G	01	W	:	Meteorology.
G	02	F	:	Devices or arrangements, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements for the control of the intensity, colour, phase, polarisation or direction of light, e.g. switching, gating, modulating or demodulating; Techniques or procedures for the operation thereof; Frequency-changing; Non-linear optics; Optical logic elements; Optical analogue/digital converters.
G	03	F	:	Photomechanical production of textured or patterned surfaces, e.g. for printing for processing of semiconductor devices; Originals therefor.
G	04		:	HOROLOGY.
G	04		:	Mechanically-driven clock or watches; Mechanical parts of clocks or watches in general; Time-pieces using the position of the sun, moon or stars.
G	04	C	:	Electromechanical clocks or watches.

G	04	D	: Apparatus or tools specially designed for making or maintaining clocks or watches.
G	04	F	: Time-interval measuring.
G	04	G	: Electronic time-pieces.
G	06	C	: Digital computers in which all the computation is effected mechanically.
G	06	D	: Digital fluid-pressure computing devices.
G	06	J	: Hybrid computing arrangements.
G	06	M	: Counting mechanisms; Counting of objects not otherwise provided for.
G	07	B	: Ticket-issuing apparatus; Fare-registering apparatus; Frowning apparatus.
G	07	C	: Time or attendance registers; Registering or indicating the working of machines; Generating random numbers; Voting or lottery apparatus; Arrangements, systems, or apparatus for checking not provided for elsewhere.
G	07	D	: Sorting, testing, changing, delivering, or otherwise handling coins; Testing or changing paper currency. Testing securities, bonds, or similar valuable papers.
G	07	G	: Registering the receipt of cash, valuables, or tokens.
G	08	G	: Traffic control systems.
G	09	C	: Ciphering or deciphering apparatus for cryptographic or other purposes involving the need for secrecy.
G	09	D	: Railway or like time or fare tables; Perpetual calendars.
G	10		: Musical instruments; Acoustics
G	10	B	: Organs, Harmonium.
G	10	C	: Pianos.
G	10	D	: Musical instruments not otherwise provided for.
G	10	F	: Automatic musical instruments.
G	10	G	: Aids for music.
G	10	H	: Electrophonic musical instruments.
G	10	K	: Sound-producing devices; Acoustics not otherwise provided for.
G	10	L	: Speech analysis or synthesis, Speech recognition.
G	21		: NUCLEAR PHYSICS; NUCLEAR ENGINEERING
G	21	B	: Fusion reactors.
G	21	C	: Nuclear reactors.
G	21	D	: Nuclear power plant.
G	21	F	: Protection against X-radiation, gamma radiation, corpuscular radiation, or particle bombardment; Decontamination arrangements; Treating radioactively contaminated material.
G	21	G	: Conversion of chemical elements; Radioactive sources.
G	21	H	: Obtaining energy from radioactive sources; Applications of radiation from radioactive sources; Utilising cosmic radiation.
G	21	J	: Nuclear explosive; Applications thereof.
G	21	K	: Techniques for handling particles or electromagnetic radiation not otherwise provided for; Irradiation devices; Gamma or X-ray microscopes.

SECTION—G PHYSICS

G 01 : MEASURING : TESTING

G 01 B : Measuring length, thickness, or similar linear dimensions; Measuring angles; Measuring areas; Measuring Irregularities of surfaces or contours

Specn. No.	Date of Specn.	Applicant for patent	Title of the Invention	Date of Notification	Int. Class	Indian Classification	Applicant code
1	2	3	4	5	6	7	8
165806	11-12-85	THE WARNER & SWASEY COMPANY	A bridge type coordinate measuring machine.	13-01-90	9/00	146-C	FC
166849	02-06-87	WESTINGHOUSE ELECTRIC CORPORATION	A bore mapping apparatus for a turbine rotor bore.	28-07-90	17/00	89	FC
167558	02-06-87	SPINLAB PARTERS LTD.	A monitor for sensing the varying linear density along the length of a moving fibrous strand and textile machine incorporating same.	17-11-90	7/00	206-E	FC
167564	17-08-87	THE BABCOCK & WILCOX COMPANY	Microbend fiber optic strain gauge.	17-11-90	11/16	89	FC
167772	01-11-88	VINAY KUMAR SHRIDHAR	Screw thread limit template gauge.	22-12-90	3/14	146 B-XXX- VIII(2), 89-XLI(6)	1
G 01 C : Measuring distances, levels, or bearings, for surveying, or navigation; Gyroscopic instruments; Photogrammetry							
166835	02-03-87	RICHARD JOHN SCHAFER	Stepping staff for measuring heights in building works excavations and the like.	21-07-90	3/00, 5/00, 15/08	146-A; D _{1,2}	F
166968	16-07-86	AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE	A flapping stop device for a gyroplane rotor.	11-08-90	19/00, 23/00.	4A ₄ , 6	FC.
G 01 D ; Indicating or recording in connection with measuring in general; Devices or instruments for measuring two or more variables not covered by a single other sub class; Tariff metering apparatus ; Measuring or testing not otherwise provided for.							
165854	10-05-86	OIL & NATURAL GAS COMMISSION.	A sub surface recording gauge.	27-01-90	1/10. 1/06.	146-C. 89.	IC.
166629	23-07-87	QUALITROL CORPORATION.	Transformer life consumption indicator.	23-06-90	5/00.	146-C; 65-B ₃ .	FC.
165747	18-12-87	BHANU DAS.	Inflammable gas detector for explosive gas mixture.	14-07-90	21/00.	8 & 126D.	I.
165335	02-03-87	RICHARD JOHN SCHAFER.	Stepping staff for measuring heights in building works excavations and the like.	21-07-90	9/00.	146-A. D _{1,2} .	F.
167553	30-01-87	COMBUSTION ENGINEERING, INC.	A particle size measuring device for measurement of the size of particles present in a fluid substance.	17-11-90	1/00.	146-C.	FC.
167724	28-07-87	BABCOCK & WILCOX TRACY POWER INC.	Apparatus for continuously measuring mass flow.	15-12-90	5/00.	105-B.	FC.

1	2	3	4	5	6	7	8
G 01 F : Measuring volume, volume flow, mass flow, or liquid level; Metering by volume.							
165909	17-09-86	THE BABCOCK & WILCOX COMPANY.	A sensor arrangement for a vortex shedding flowmeter.	10-02-90	1/00. 3/00.	89	FC.
166070	31-08-87	METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED.	System for detecting leakage of water from blast furnace tuyere(s).	10-03-90	15/02.	105-B.	IC.
166152	01-12-86	UMAKANT JAGANNATH MAHASHABDE.	Improved mercury water level indicator.	24-03-90	23/02.	199-XLI(9).	I.
166219	06-11-85	PFISTER GMBH.	An apparatus for continuous metering and pneumatic feeding of pourable material.	31-03-90	15/00.	125-B ₂	FC.
166318	13-10-86	ORBITAL ENGINE COMPANY PROPRIETARY LIMITED.	Apparatus for metering of fuel to an engine.	07-04-90	13/00.	88-D.	FC.
166528	28-01-86	FLONIC. SINGH	Method of making synthetic membranes for a gas meter.	26-05-90	15/16.	155-B	FC.
167439	16-06-86	MOORE PRODUCTS CO.	Apparatus for measuring the velocity of flow of a fluid along a redetermined direction.	27-10-90	1/66.	101-E-GROUP. XXVIII(2).	FC.
167569	12-02-88	RAM SWARUP	A device for delivering water from a higher level to a lower level.	17-11-90	3/00. 23/00.	101-D. 125-B. 156-G.	I.
167724	28-07-87	BABCOCK & WILCOX TRACY POWER INC.	Apparatus for continuously measuring mass flow.	15-12-90	1/05. 1/66.	105-B.	FC.
G 01 G : Weighing.							
166674	15-11-85	ANSTALT GERSAN.	Apparatus for individually weighing a number of discrete objects in spaced succession.	30-06-90	11/16.	204 & 126D, GROUPS-XLI (10) & LVIII(6).	FC.
G 01 J : Measurement of intensity, velocity, spectral content, polarisation, or phase of infra-red, visible or ultra-violet light; Colorimetry; Radiation pyrometry.							
165935	18-03-86	HARTMANN & BRAUN AKTIENGESELLSCHAFT.	Photometer.	10-02-90	1/52.	146-D ₂ .	FC.
165543	21-04-87	AUTOMATIK APPARATE-MASCHINENBAU GMBH.	A sample cell for chemical analysis of material in a moving process stream by spectrophotometric means.	02-06-90	3/02.	89	FC.
166899	30-12-87	HINDUSTAN LEVER LIMITED.	A device for measuring the concentration of a component of a composition /mixture.	04-08-90	3/00.	40F & 89	IC.
G 01 K : Measuring temperature; Measuring quantity of heat; Thermally-sensitive elements not otherwise provided for							
166629	23-07-87	QUALITROL CORPORATION.	Transformer life consumption indicator.	23-06-90	13/00, 15/00.	146-C. 65-B ₃ .	FC.

1	2	3	4	5	6	7	8
166982	13-01-86	MINNESOTA MINING AND MANUFACTURING COMPANY.	A heat recoverable article such as telecommunication cables capable of shrinking under the influence of heat.	18-08-90	11/12.	105-D& 136-E. XLI(7)& XIII.	FC.
G 01 L : Measuring force, stress, torque, work, mechanical power, mechanical efficiency, or fluid pressure							
166140	27-01-86	PLESSEY OVERSEAS LTD.	Voice synthesis module for use in telecommunications exchange.	17-03-90	5/00.	187-D ₄	FC.
166339	10-12-85	PFISTER GMBH.	Force measuring device.	14-04-90	5/00.	89	FC.
166771	12-06-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	A multi strain gauge for measuring pore water.	14-07-90	7/00.	105-C.	IC.
166828	18-07-86	UMA SHANKER CHAURASIA & BHANU SHANKER CHAURASIA.	A device for testing the efficiency of an ion generator.	21-07-90	3/00. 25/00.	126-D.	I.
G 01 M : Testing static or dynamic balance of machines or structures; Testing structures or apparatus not otherwise provided for							
167811	13-06-86	MICHELIN & CIE (COMPAGNIE GENERALE DES-ESTABLISSEMENTS MICHELIN).	A system for feeding energy to electric circuits fastened to a wheel.	22-12-90	17/02.	68-C. GROUP-LVII(3).	FC.
G 01 N : Investigating or analysing materials by determining their chemical or physical properties							
165763	31-07-85	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	An improved electrolytic respirometer for the evaluation of soil nitrification rates and oxygen and/or hydrogen uptake rates.	06-01-90	27/00.	40F & 89	IC.
165861	13-11-85	SHIELDS INSTRUMENTS LIMITED.	An optical cell and detector assembly for spectrophotometric analysing apparatus.	03-02-90	3/50.	40-F.	FC.
165989	26-12-86	DREW CHEMICAL CORPORATION.	Portable assembly for testing fluids.	17-02-90	17/00.	89	FC.
165999	25-07-86	NATIONAL RESEARCH DEVELOPMENT CORPORATION.	An instrument for measuring the hardness of a bonded abrasive.	24-02-90	3/40.	126-C,D.	IC.
166002	06-12-85	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Improvements in or relating to pulse polarograph.	24-02-90	27/48.	40F & 89	IC.
166070	31-08-87	METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED.	System for detecting leakage of water from blast furnace tuyere(s).	10-03-90	25/32.	105-B.	IC.

1	2	3	4	5	6	7	8
166083	08-08-86	INSTITUT KHIMICHESKOI KINETIKI I GORENIA SIBIRSKOGO OTDELENIYA AKADEMII NAUK SSSR.	Device for measuring parameters of underground mineral deposits.	10-03-90	24/08.	105-B;T;D.	FC.
166148	05-06-87	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	An improved process for making silver sensing ion-selective coated film electrode.	17-03-90	27/30.	70-B.	IC.
166156	06-02-87	HONEYWELL- ELAC-NAUTIK GMBH.	An apparatus for detecting very small concentrations of gases or vapours in a gas mixture.	24-03-90	27/00, 27/62.	40-I-IV(1) 126A-LVIII(6).	FC.
166254	29-07-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Method of making chemically modified iodide ion selective electrode.	31-03-90	27/00.	70-B.	IC.
166531	01-12-86	T B I A NEVADA STATE CORPORATION.	A system for measuring conductivity of a high purity water sample.	26-05-90	33/18.	40F&89	FC.
167036	29-07-86	SAFT.	A method for the manufacture of a polymer consolidated iron oxide based electride for alkaline storage cells.	18-08-90	27/30.	70-B.	FC.
167387	04-06-86	F.L. SMIDTH & CO. A/S.	Equipment for detecting the presence of combustible gases in a flow of flue gas.	20-10-90	1/02.	40-L-GROUP- IV(1).	FC.
167411	09-05-88	1. RAMESH BHOGILAL PARIKH 2. NIKHIL RAMESH PARIKH. 3. RAHUL RAMESH PARIKH. 4. SUDHIR RAMESH PARIKH.	Portable ultrasonic rail-tester.	20-10-90	29/04	89,126-A	IC.
167517	03-04-87	JATQUES DORY.	Lithotripter for fragmentation of stones and ascertaining the degree of such fragmentation.	10-11-90	7/00.	131-B ₃ .	F.
167557	02-06-87	WESTINGHOUSE ELECTRIC CORPORATION.	Improvements in or relating to ultrasonic signal processing system including a flaw gate.	17-11-90	29/04.	89.	FC.
G O I P : Measuring linear or angular speed, acceleration, deceleration, or shock; Indicating presence, absence, or direction, of movement							
166172	10-09-85	ADRIAN MAROH LIMITED.	A position sensor for detecting changes in the relative position of two bodies.	24-03-90	3/00. 13/04.	89 & 146-T.	FC.
G O I R : Measuring electric variables, Measuring magnetic variables							
167076	10-04-87	WESTINGHOUSE ELECTRIC CORPORATION.	An instrument transformer.	25-08-90	1/00, 11/32, 11/34, 11/36, 11/42.	69-B.	FC.
167859	21-01-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Electronic digital maximum demand indicator.	29-12-90	11/00.	126-C.	IC.

1	2	3	4	5	6	7	8
G 01 S : Radio direction-finding, locating, distance or velocity measuring; Radio navigation systems; Analogous systems employing other waves.							
166221	02-04-86	HUGHES AIR-CRAFT COMPANY.	Device for automatically tracking a target.	31-03-90	9/00.	206-E & 186-C.	FC.
166382	11-08-86	HOLLANDSE SIGNALAPPARATEN B.V.	Pulse radar apparatus.	28-04-90	1/18.	206-C.	FC.
166850	10-06-87	TRUTZCHEER GMBH & CO. KG.	Apparatus for detecting the level of fibre material in a fibre material store.	28-07-90	17/08	146-D ₂ ;D ₃	FC.
166984	04-02-86	GENE WYLIE ADAMS, AND JOHN WILLIAM BROSNAHAN.	A system for simultaneously locating a plurality of targets and for distinguishings said targets from noise.	18-08-90	17/06.	206-C- LXII.	F.
167154	08-05-87	RICHARD ARTHUR HALAVAIS.	A single -point locating system.	08-09-90	1/00.	206-C.	F.
G 01 T : Measurement of nuclear or X-radiation.							
166083	08-08-86	INSTITUT KHIMICHESKOI KINETIKI I GORENIA SI-BIRSKOGO OTDELENIA AKA-DEMII NAUK SSSR.	Device for measuring parameters of underground mineral deposits.	10-03-90	1/15. 1/69	105-B; C;D.	FC.
G 0. V : Geophysics; Gravitational measurements; Detecting masses or objects							
166083	08-08-86	INSTITUT KHIMI-CHESKOI KINETIKI I GORENIA SI-BIRSKOGO OTDELE-NIA AKADEMI NAUK SSSR.	Device for measuring parameters of underground mineral deposits.	10-03-90	5/00.	105-B; C;D.	FC.
166523	07-11-85	INSTITUT FRAN-CAIS DU PETROLE.	A device for controlling the storage of data received by a seismic recording system	26-05-90	1/28.	146-C	FC.
166922	19-12-85	INSTITUTE FRAN-CAIS DU PETROLE.	A device for receiving acoustic waves in water.	04-08-90	1/20	168-E- GROUP- LI(9)	FC.
167451	14-05-86	BOARD OF RE-GENTS, THE UNI-VERSITY OF TEXAS SYSTEM.	An apparatus for carrying out an electromagnetic geophysical survey.	27-10-90	3/08.	126-B- GROUP- LVIII(6).	FC.
G 02 : OPTICS							
G 02 B : Optical elements, systems, or apparatus							
166089	14-11-86	THE BABCOCK & WILCOX COMPANY.	Apparatus for producing three-dimensional holographic displays in free space.	10-03-90	27/22	146-D ₁ ;D ₂ .	FC.
166215	04-10-85	SPANDREL ESTABLISHMENT.	Apparatus for producing a signal responsive to the transmission and scattering of light projected onto objects.	31-03-90	26/00.	168-H	FC.

1	2	3	4	5	6	7	8
166216	04-10-85	SPANDREL ESTABLISHMENT.	Apparatus for producing signals representative of the colour hue or colour saturation of an object.	31-03-90	26/00	168-H, 146-D.	FC.
166608	23-12-85	MINNESOTA MINING AND MANUFACTURING COMPANY.	Mirror.	09-06-90	5/08.	146-D ₁ - XXXVIII(2).	FC.
166933	19-12-85	CORNING GLASS WORKS.	Optical waveguide fibre.	11-08-90	6/16.	187-H.	FC.
167127	09-07-87	JOTHI ABRAHAM MUTHIAH PANDIAN.	An optical magnifier for the visually handicapped.	01-09-90	25/02.	146-D ₁ - GROUP- XXXVIII(2)	I.
167535	09-06-86	NATIONAL REMOTE SENSING AGENCY.	A three coordinate viewer for use in the study of photographs.	10-11-90	27/02.	146-D ₁ GROUP- XXXVIII(2).	IC.
G 02 C : Spectacles, Sunglasses or goggles in so far as they have the same features as spectacles							
167360	22-07-87	AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R. A.F. S.P.A.	Method of treating contact lenses.	13-10-90	13/00.	153.	FC.
G 03 : PHOTOGRAPHY; CINEMATOGRAPHY; ANALOGOUS TECHNIQUES USING WAVES OTHER THAN OPTICAL WAVES; ELECTROGRAPHY; HOLOGRAPHY							
G 03 B : Apparatus or arrangements for taking photographs or for projecting or viewing them; Apparatus for arrangements employing analogous techniques using waves other than optical waves; Accessories therefor.							
166124	24-07-86	W. HACKING ENTERPRISES LIMITED.	An improved camera.	17-03-90	19/00.	148-B.	FC.
167163	24-07-86	W. HACKING ENTERPRISES LIMITED.	A camera having a least an adjustable focus lens or an adjustable aperture movably responsive to a control member.	15-09-90	9/08.	148-B.	FC.
167194	08-05-87	NATIONAL REMOTE SENSING AGENCY.	Additive colour viewer for analysis and interpretation of remote sensing data.	15-09-90	21/00.	146-D ₂ GROUP- XXXVIII(2).	IC.
167275	28-04-86	STORK SCREENS B.V.	Method of making a patterned photopolymer coating on a printing roller and also a printing roller with patterned photopolymer coating.	29-09-90	27/00.	148-M & H-GROUP- XXXVIII(3).	FC.
167632	09-06-86	NATIONAL REMOTE SENSING AGENCY.	An optical reflecting projector.	24-11-90	21/62.	146-D ₂ - GROUP- XXXVIII(2).	IC.
G 03 C : Photosensitive compositions or bases carrying them; Photographic processes, e.g. cine, X-ray, colour; stereo-photographic processes; Auxiliary processes in photography							
166112	06-10-86	SEIKOSHA CO. LTD.	Paper detector of printer.	17-03-90	5/08.	148-M 154-D	FC.
166460	14-09-83	MORTON THIOKOL INC.	A process of manufacturing essentially non-yellowing color print material.	12-03-90	5/00.	148-K.	FC.

1	2	3	4	5	6	7	8
167084	29-01-86	COLOR PROCESS- ING SYSTEM SDN. BHD.	A method of producing business cards, name cards and the like in colour.	25-08-90	5/08.	148-F- GROUP- XXXVIII(3).	FC.
167612	12-01-87	ROHM AND HAAS COMPANY.	Negative photoresist Composition.	24-11-90	5/40.	154-D- XXXVII(1).	FC.
G 03 D : Apparatus for processing exposed photographic materials; Accessories therefor.							
167571	09-06-86	NATIONAL RE- MOTE SENSING AGENCY.	A film drier.	17-11-90	15/02.	148-H- GROUP- XXXVIII(3).	IC.
G 03 G : Electrography:Electrophotography; Magnetography							
166164	13-08-86	ENERGY CONVER- SION DEVICES, INC.	An electrophotographic device.	24-03-90	15/00.	148-H.	FC.
167761	26-09-86	ENERGY CONVER- SION DEVICES, INC.	An improved electrophotographic photo-receptor and method of manufacturing same.	15-12-90	7/00.	148-J	FC.
G 03 H : Holographic processes or apparatus							
166089	14-11-86	THE BABCOCK & WILCOX COMPANY.	Apparatus for producing three-dimensional halographic displays in free space.	10-03-90	3/00.	146-D ₁ ; D ₂ .	FC.
G 05 : CONTROLLING ; REGULATING							
G 05 B : Control or regulating systems in general. Functional elements of such systems; Monitoring or resting arrangements for such systems or elements.							
166574	04-05-87	KERALA STATE ELECTRONICS DE- VELOPMENT COR- PORATION LTD.	A microprocessor controller for inverter system.	09-06-90	15/00.	68-E.	IC.
166840	26-03-87	"NEYRPIC".	An improved device for automatically reducing the lag of the position of an adjusting member in a turbine.	21-07-90	11/00.	67-C.	FC.
167218	09-04-86	ROBERT BOSCH GMBH.	A control system for mobile transport units for transporting respective workpiece on a transporting line.	22-09-90	19/00.	67-C. GROUP- LI(2).	FC.
167415	07-08-87	KABUSHIKI KAISHA TOSHIBA YUTAKA LINO.	Adaptive process control system.	20-10-90	13/00.	29-A-XLI(2).	FC.
167466	27-06-88	KABUSHIKI KAISHA TOSHIBA.	Process controller having improved combination of feed forward feedback control.	03-11-90	6/00. 13/00.	29A-XLI(2), 68E1-LVII(3).	FC.
167794	02-07-86	QUALTER HALL & COMPANY LIMITED.	Programmable logic controller system for hazardous environment.	22-12-90	19/00.	67C & 72C- GROUPS-LI(2) & XXXIX(3).	FC.
167796	16-07-86	CHARBONNAGES DE FRANCE.	A centralised controller adapted to control actuators.	22-12-90	11/00. 15/00.	126-D- GROUP- LVIII(6).	FC.

1	2	3	4	5	6	7	8
G 05 D : Systems for controlling or regulating non-electric variables							
165970	15-10-85	INTERNATIONAL IDENTIFICATION SYSTEMS LTD.	Electronic identification system for remotely programming and storing information on an object.	17-02-90	3/20.	206-E.	FC.
166399	01-11-85	RAYCHEM CORPORATION.	An electrical heating system which can be monitored.	28-04-90	233/00.	98-E ₁	FC.
166584	05-06-86	LINEMANN-HALFLO LIMITED.	A device in a container for inducing flow of granular or like material within the container and a container incorporating said device.	09-06-90	9/00.	116-B ₁ G.	FC.
165541	13-01-84	YANMAR DIESEL ENGINE CO. LTD.	Governor for internal combustion engine.	30-06-90	13/10.	91.	FC.
165768	30-09-87	SHRISH BHAILAL PATEL.	An improved high bay tube lights fittings systems.	14-07-90	25/0M.	113G-XXX(4).	I.
167651	16-08-85	WESTINGHOUSE ELECTRIC CORPORATION.	Improvement in or relating to a hot-spot temperature apparatus for determining the hot-spot temperature of a transformer.	01-12-90	23/00.	68-D.	FC.
G 05 F : Systems for regulating electric or magnetic variables.							
166000	08-03-84	VARIAN ASSOCIATES, INT.	Stabilized microwave amplifier system.	24-02-90	1/00.	206-E.	FC.
166449	06-11-86	AKTIEBOLA-GETELECROLUX.	Electric circuit arrangement for controlling an A.C. voltage.	12-05-90	1/00.	65-B ₃	FC.
166592	20-01-86	VENKTRAM SRINIVASAN.	Voltage impulse generator for high voltage tests.	09-06-90	3/06.	63-I.	I.
166751	15-07-85	WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED.	Power control circuit.	14-07-90	1/00.	68-(D+E ₁).	FC.
167359	13-07-87	BELORUSSKY GOSUDARST VENNY UNIVERSITET IMENI V.I. LENINA.	Rectifier electric drive device.	13-10-90	5/00.	65-A ₂	FC.
167577	09-10-87	1. KRISHNAN SOUNDARA SRINIVASAN, 2. MRS. CHANDRA SATHYANATHAN.	A device for restricting electric power consumption and for providing protection against short-circuits and related faults.	17-11-90	1/625. 5/00.	68-E&A, GROUPS LVII(3).	I.
G 05 G : Control devices or systems in so far as characterised by mechanical features only.							
166664	15-07-86	THE ENGLISH ELECTRIC COMPANY	A handle assembly for operating a mechanism.	30-06-90	15/00.	127-I.	FC.
167674	12-06-86	MITSUBISHI DENKI KABUSHIKI KAISHA.	Spring operating mechanism for a circuit interrupter.	08-12-90	17/00.	127 D&H GROUP-LXV(1), 135-GROUP-LXV(2), 69G-GROUP-LIX(1).	FC.

1	2	3	4	5	6	7	8
G 06 : COMPUTING; CALCULATING; COUNTING.							
G 06 F : Digital computers in which at least part of the computation is effected electrically. Arrangement for handling digital data.							
165796	06-08-86	HITACHI LTD.	A test system for testing a program in a distributed processing system.	13-01-90	11/22.	89, 29-D.	FC.
165881	01-01-87	1. HITACHI ENGINEERING CO. LTD. 2. HITACHI LTD.	An apparatus for achieving masterless series bus occupation control.	03-02-90	7/00.	206-E, 29-D	FC.
166055	23-12-85	INTERNATIONAL BUSINESS MACHINES CORPORATION.	A system for displaying an image in each of a plurality of display areas adjacently positioned in a row direction on a display screen having a plurality of display rows.	03-03-90	15/64; 15/66.	206-E	FC.
166070	31-08-87	METALLURGICAL & ENGINEERING CONSULTANTS INDIA LIMITED.	System for detecting leakage of water from blast furnace tuyere (s).	10-03-90	3/00, 7/00.	105-B	IC.
166206	03-08-87	HONEYWELL BULL INC.	System management apparatus for a data processing system.	31-03-90	15/00.	206-E	FC.
166550	28-10-85	INTERNATIONAL BUSINESS MACHINES CORPORATION.	A data processing system.	14-04-90	13/00.	206-E	FC.
166397	24-10-85	INTERNATIONAL BUSINESS MACHINES CORPORATION.	Data processing apparatus.	28-04-90	13/00.	206-E	FC.
166534	13-01-87	1. HITACHI LTD. 2. HITACHI ENGINEERING CO. LTD.	Apparatus for switching multi-running central processing units.	26-5-90	13/00	69-1.	FC.
166528	01-06-87	HITACHI LTD.	A message processing system.	23-06-90	1/00	206-E	FC.
166915	16-11-87	KRONOS INC.	A system for fixed-length binary encoding and decoding.	04-08-90	7/00	206-E, 29-D.	FC.
167114	25-04-86	DIGITAL EQUIPMENT CORPORATION.	Self configuring memory circuit.	01-09-90	7/00, 9/00.	206-E.	FC.
167131	12-06-87	HONEYWELL BULL INC.	An apparatus for determining new status signals in a data processing system.	01-09-90	15/00.	29D-XL1(2) 206E-LX11	FC.
167291	06-05-88	WIPRO INFORMATION TECHNOLOGY LIMITED.	Ledger entry terminal for the purposes of accounting.	06-10-90	15/30.	29-D-XL1.	FC.
167294	25-01-88	JAMES HUBERT MASSEY.	An apparatus for flexible data base access.	06-10-90	7/00.	29-D-XL1(2) 67C-L1(2).	F
167388	26-06-86	INTERNATIONAL BUSINESS MACHINES CORPORATION.	Image conversion apparatus.	20-10-90	15/02.	2-A1&2, 168C-Group -XL1(1),L1(4)	FC

1	2	3	4	5	6	7	8
167423	19-02-88	NANDAKUMAR RAMCHANDRA JOSHI.	Phase correlated integration type elec- tronic analog to digital converter.	27-10-90	11/00.	67C-I I(2), 206E-LXII, 126 C-LVIII (6).	1.
167424	19-02-88	NANDAKUMAR RAMACHANDRA JOSHI.	Multichannel electronic analog to digital converter.	27-10-90	11/00.	67C-I I(2), 206E-LXII.	1.
167426	01-03-88	HONEYWELL BULL INC.	An apparatus for loading a control store memory of a central subsystem.	27-10-90	7/00.	29D-XLI(2), 206E-LXII.	FC.
167723	17-07-87	COMMODEORE- AMIGA, INC.	Apparatus for reading a plurality of input data bits transmitted serially from a resource memory.	15-12-90	3/00.	29-A.	FC.
167819	25-07-86	SCIL UMBER LIM- TED.	A data processive system.	22-12-90	7/00, 15/00.	206-F-Group -I.XII.	FC.
G 06 G : Analogue computers.							
165747	04-06-86	HITACHI LTD.	A multiple computer system having a plurality of computers interconnected via transmission path.	06-01-90	7/06.	29-A.	FC.
166107	07-05-86	AMERICAN COIN CURRENCY EQUIP- MENT CORPORA- TION.	Microprocessor controlled cash coun- ting apparatus.	17-03-90	7/00.	29-C.	FC.
G 06 K : Recognition of data; Presentation of data; Record carriers; Handling record carriers.							
166240	29-11-85	INTERNATIONAL BUSINESS MACHI- NES CORPORA- TION.	An electronic character recognition system.	31-03-90	9/62.	206-E	FC.
167167	26-11-87	INSTITUT PRO- BLEM MODELIRO- VANIA V ENERGE- TIKE AKADEMII NAUK UKRA INS- KOI SSSR.	Storage device with movable informa- tion carrier.	15-09-90	19/00.	29-D.	FC.
G 07 : CHECKING DEVICES.							
G 07 F : Coin-freed or like apparatus.							
167141	04-02-86	BRANDT INC.	Sheet handling apparatus with a counting device.	08-09-90	7/00.	29-B & C & 46-B-Groups- XLI(2) & XLI(3).	FC.
G 08 : SIGNALLING.							
G 08 B : Signalling or calling arrangements; Alarm arrangements.							
165829	28-08-87	BELORUSSKY GO- SUDARSTVENNY UNIVERSITET IME- NI V.I. LENINA.	Device for remote transmission of angular position and force between master and actuating shafts.	20-01-90	1/00.	68-C.	FC.
167011	28-07-86	SANTA BARBARA RESEARCH CEN- TER.	A statistical discriminator circuit for fire sensing.	18-08-90	17/00.	8.	FC.

1	2	3	4	5	6	7	8
167203	27-02-87	MICHAEL SMETACEK.	A self-level seeking tamper-proof activating device for alarm circuits and alarm circuit incorporating said activating device.	22-09-90	3/10.	7.	I.
167670	10-03-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A theft alarm system.	01-12-90	13/22.	8.	IC.
G 08 C : Transmission systems for measured values, control or similar signals.							
166085	29-08-86	THE BABCOCK & WILCOX COMPANY.	An apparatus for processing a sensor signal from a light detector at one end of an optic fiber.	10-03-90	19/00.	168-C.	I C.
G 09 : Educating; Cryptography; Display; Advertising; Seals.							
G 09 B : Educational or demonstration appliances; Appliances for communicating with the blind or deaf; Models; Planetaria; Globes; Maps; Diagrams.							
166135	23-10-86	UPPINANGADY VARADARAYA NAYAK.	An apparatus to demonstrate the working principles of A.C. and/or D.C. dynamos.	27-03-90	23/18	63-I	I.
167849	03-03-87	YELAKANTI MOHAN RAO.	A teaching apparatus for providing training in copying graphic matter.	29-12-90	11/04.	208-Group-XLII(6).	I.
G 09 F : Displaying; Advertising; Signs; Labels or name-plates; Seals.							
166305	17-06-87	GURUNATH VINAYAK RAUT.	A sealing device for securing or locking packages doors, cupboards; electric meters and the like.	07-04-90	3/03.	76-LXIV(4).	I.
166978	04-12-87	RANJEET SINGH JASWAL.	An improved positively dead-locable tamper-evident seal.	11-08-90	3/03.	76-H-LXIV (4).	I.
167430	15-06-88	ANIL BHALCHANDRA PHADKE.	An improved process to manufacture display symbols as individual units for information display system.	27-10-90	7/06.	168-B-LI(4) 2B ₂ -XLI(1).	I.
G 09 G : Arrangements or circuits for control of indicating devices using static means to present variable information.							
166707	19-01-87	RCA LICENSING CORPORATION.	Color display system.	07-07-90	1/00.	194-C ₁ .	FC.
167164	10-03-87	KAREL HAVEL.	Variable colour display devices for controlling the colour of the display in three steps.	15-09-90	1/00.	194-C ₁ .	F.
G 11 : INFORMATION STORAGE.							
G 11 B : Information storage based on relative movement between record carrier and transducer.							
166272	12-09-85	ELECTRONICS CORPORATION OF INDIA LTD.	An improved cockpit voice recorder.	07-04-90	27/22.	147-E.	IC.
167167	26-11-87	INSTITUT PROBLEM MODELIROVANIA V ENERGETI-KE AKADEMII NAUK UKRAINSKOI SSR.	Storage device with movable information carrier.	15-09-90	25/00.	29-D.	FC.
167436	20-05-86	SONY CORPORATION	A tape loading device for a cassette type tape recording and/or reproducing apparatus.	27-10-90	17/04.	206-E-Group-LXII.	FC.
167631	26-05-86	SONY CORPORATION.	An apparatus for recording and/or reproducing a signal on a magnetic cassette tape.	24-11-90	33/00.	147C, E-Group-LX(3).	FC.

1	2	3	4	5	6	7	8
G 11 C : Static Stores.							
167031	02-07-86	APPLE COMPUTER INC.	Communication apparatus for transferring signals and data between a host computer and a plurality of peripheral devices over a communication medium.	18-08-90	9/00.	206-E.	FC.
G 12 : INSTRUMENT DETAILS.							
G 12 B : Details of instruments, or comparable details of other apparatus not otherwise provided for.							
166321	14-11-86	THE BABCOCK & WILCOX COMPANY	Automatic calibration and control system for combined oxygen and combustibles analyzer.	14-04-90	13/00.	Z125-B ₂ .	FC.

NOTE : Classified list of the Complete specification under the other "SECTION" will be published in due course.

REGISTRATION OF DESIGNS

The following designs have been registered. They are open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1. No. 163810. Harish Chhabra of 7531/1, Tel Mill Marg, Ram Nagar, New Delhi-110005, India, Indian. "Ventilating Fan". November 25, 1991.

Class 1. Nos. 163860 to 163866, 163869 to 163871. Khaitan (India) Ltd., Indian Company of 46C, J. L. Nehru Road, Calcutta-700071, W.B., India. "Electric Ceiling Fan". November 27, 1991.

Class 1. No. 164045. Earl Bihari Pvt. Ltd. of 148-B, St. Cyril's Road, Bandra, Bombay-400050, Maharashtra, India. "Spring Clip (set)". January 29, 1992.

Class 1. No. 164046. Earl Bihari Pvt. Ltd. of 148-B, St. Cyril's Road, Bandra, Bombay-400050, Maharashtra, India. "Flap Stay". January 29, 1992.

Class 1. 164051 & 164052. Michael Zachery Schachter, an American of 45, Scott Drive, Watchung, New Jersey 07060, U.S.A. "Diamond for Jewellery". January 31, 1992.

Class 1. No. 164069. U.P. National Manufacturers Ltd., Indian Company of Ramkatora Road, Post Box No. 1068, Varanasi-221001, U.P., India. "Pump-set". February 12, 1992.

Class 3. No. 163737. Mirror-Water Pvt. Ltd. of Block 1, Pasir Panjang Road, 10.32/33/34, Alexandra Distripark, Singapore-0511. "Robot drink bottle". November 4, 1991.

Class 3. No. 163858. Mr. Rukhsana Gulam Amin of 5, Jer Mansion, Off. Turner Road, Bandra (West), Bombay-400050, Maharashtra, India, Indian National, "Basket". November 26, 1991.

Class 3. No. 163923. Mtorala Inc., of 1303, East Algonquin Road, Schaumburg, Illinois 60196, USA. "Portable Radiotelephone Base". December 19, 1991.

Class 3. No. 164049. VVD Food & Agro Products Pvt. Ltd., at No. 6/11, IInd Floor, Casa Blanca, Casa Major Road, Egmore, Madras-600008, T.N., India. "Container". January 30, 1992.

Class 3. No. 164054. Hindustan Lever Ltd. of 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India. "Toothbrush". January 31, 1992.

Class 3. No. 164229. Indus Industries Ltd. of Plot No. 6, Journalist Colony, Road No. 3, Banjara Hills, Hyderabad-500034, Andhra Pradesh, India, Indian Company. "Stand". April 3, 1992.

Class 4. No. 163824. Mrs. Rukhsana Gulam Amin of 5, Jer Mansion, Off. Turner Road, Bandra (West), Bombay-400050, Maharashtra, India, Indian. "Dish". November 26, 1991.

Class 4. No. 163833. Mrs. Rukhsana Gulam Amin of 5, Jer Mansion, Off. Turner Road, Bandra (West), Bombay-400050, Maharashtra, India, Indian. "Dish". November 26, 1991.

Class 4. No. 163909. McDowell & Co. Ltd., Indian Company, of McDowell House, 3, Second Line Beach, P.O. Box 36, Madras-600001, T.N., India. "Bottle". December 12, 1991.

Class 10. Nos. 164106 & 164107. Liberty Enterprises of Liberty House, Karnal, Haryana State, India, Indian Partnership Firm. "Sole of the shoe". February 17, 1992.

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Nos. 158354, 157537, 157683 — Class 1

Nos. 162971, 162972, 162234, 162811, 158714, 157860, 158246, 157859, 163420, 158465, 158550, 158334, 158333, 158332, 157563 & 158173.

— Class 3

No. 159181 — Class 4

No. 157478 — Class 5

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Nos. 150927, 150788 & 151998 — Class 1

Nos. 162971, 162972, 162234, 162811, 152008, 163420 & 152147.

— Class 3

Nos. 159181 and 162879. — Class 4

R. A. ACHARYA
Controller General of Patents,
Designs and Trade Marks.